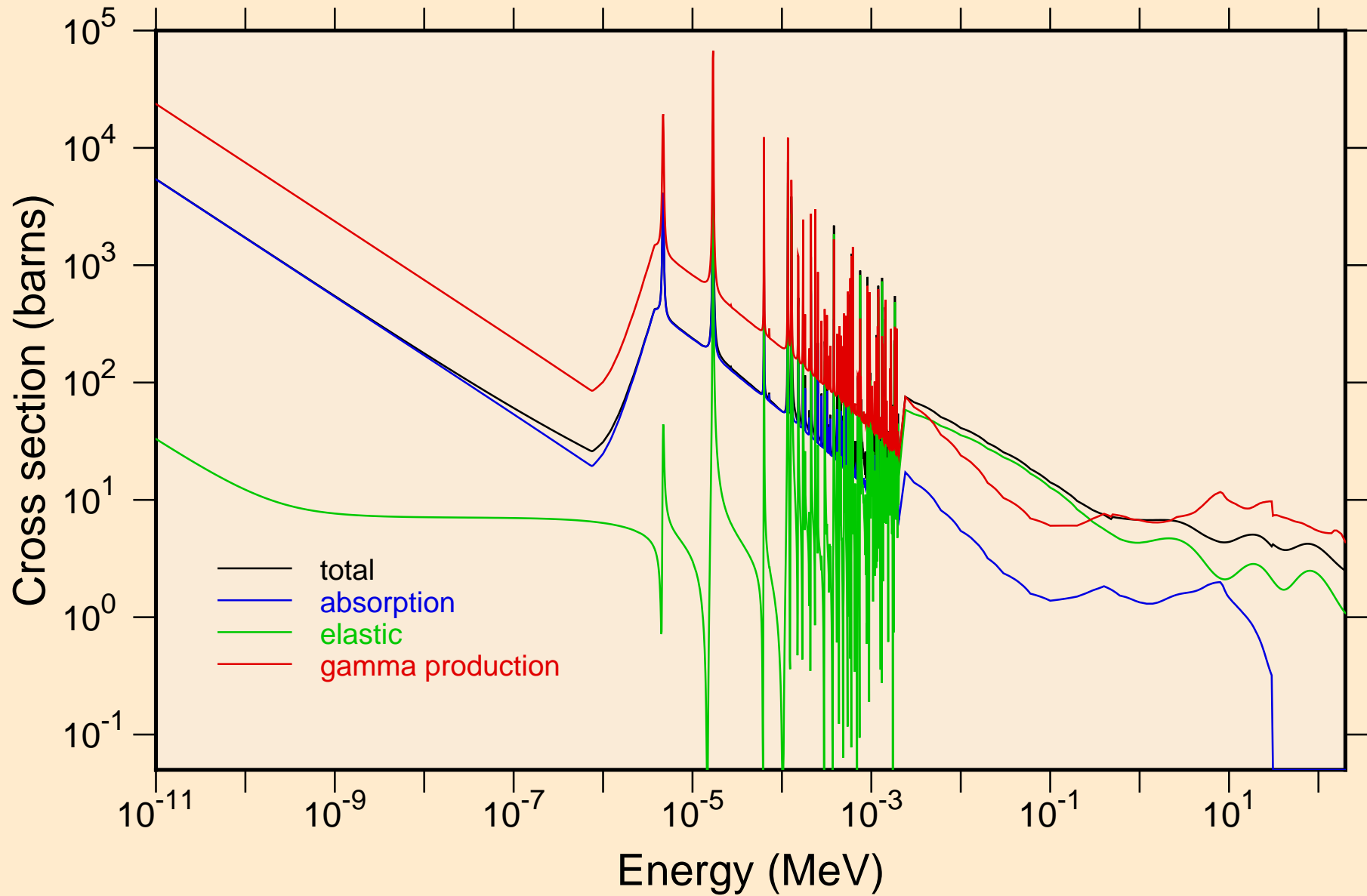
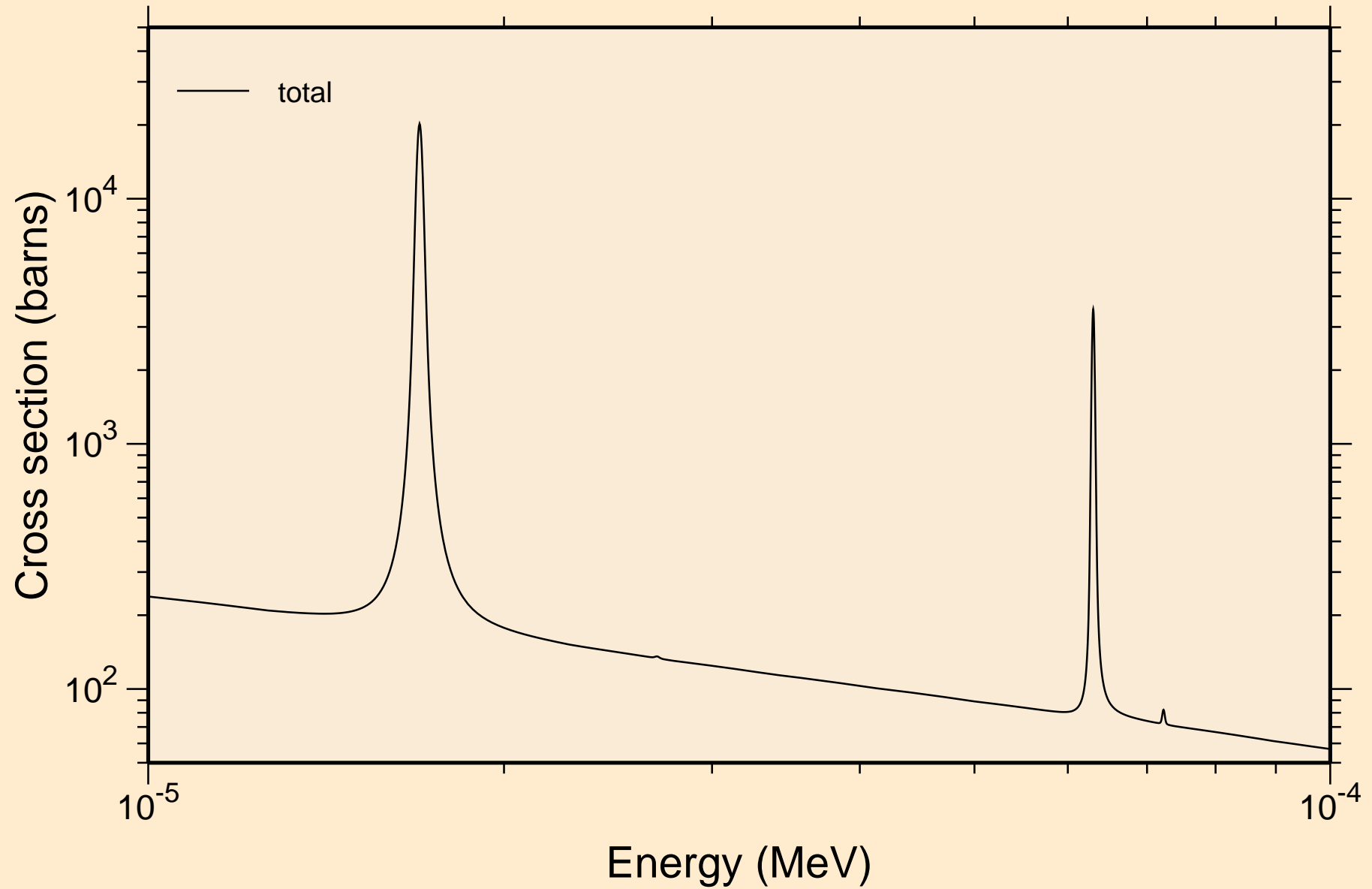


# HF158 NRG TENDL-2015, AKONING

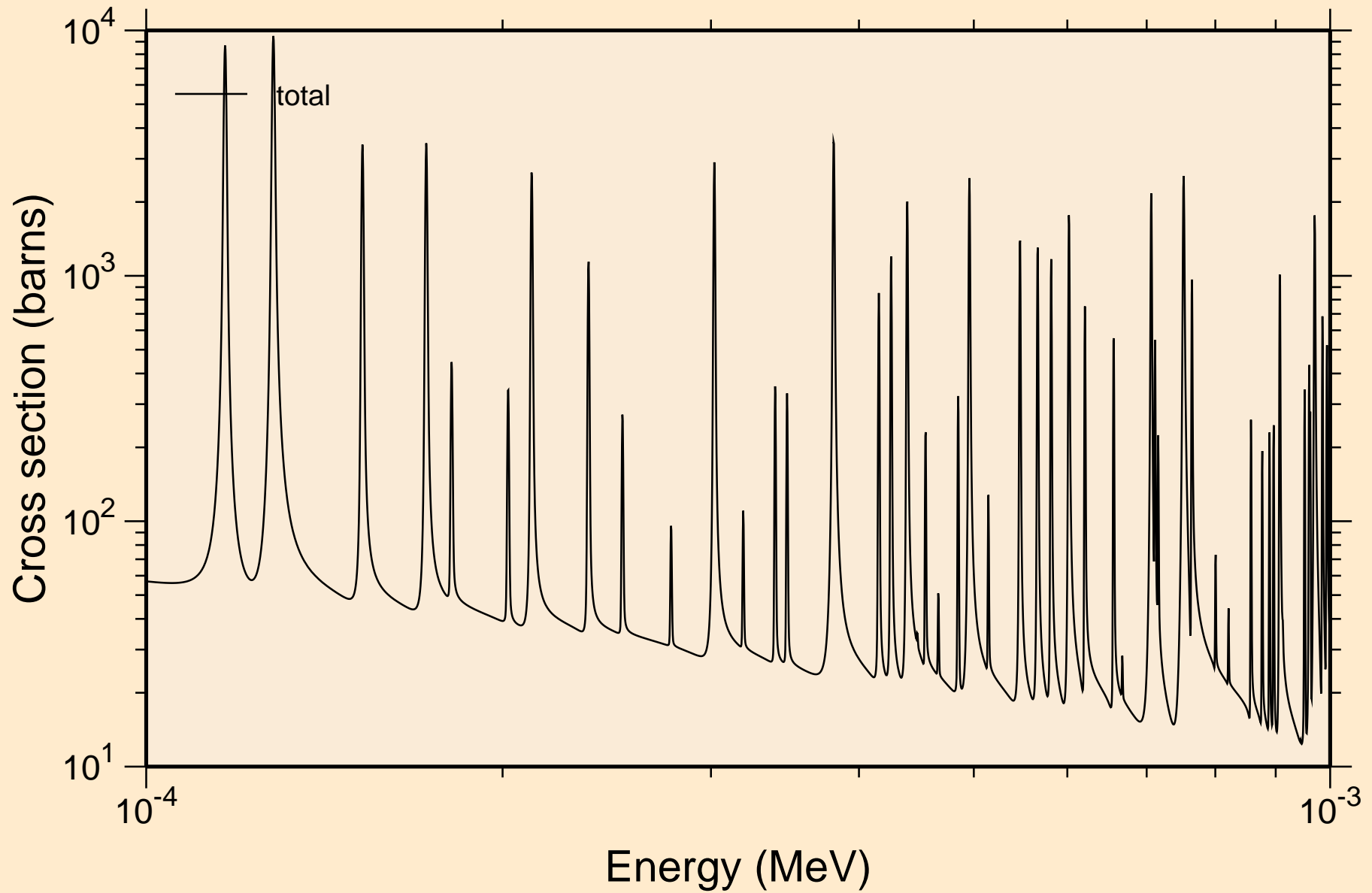
## Principal cross sections



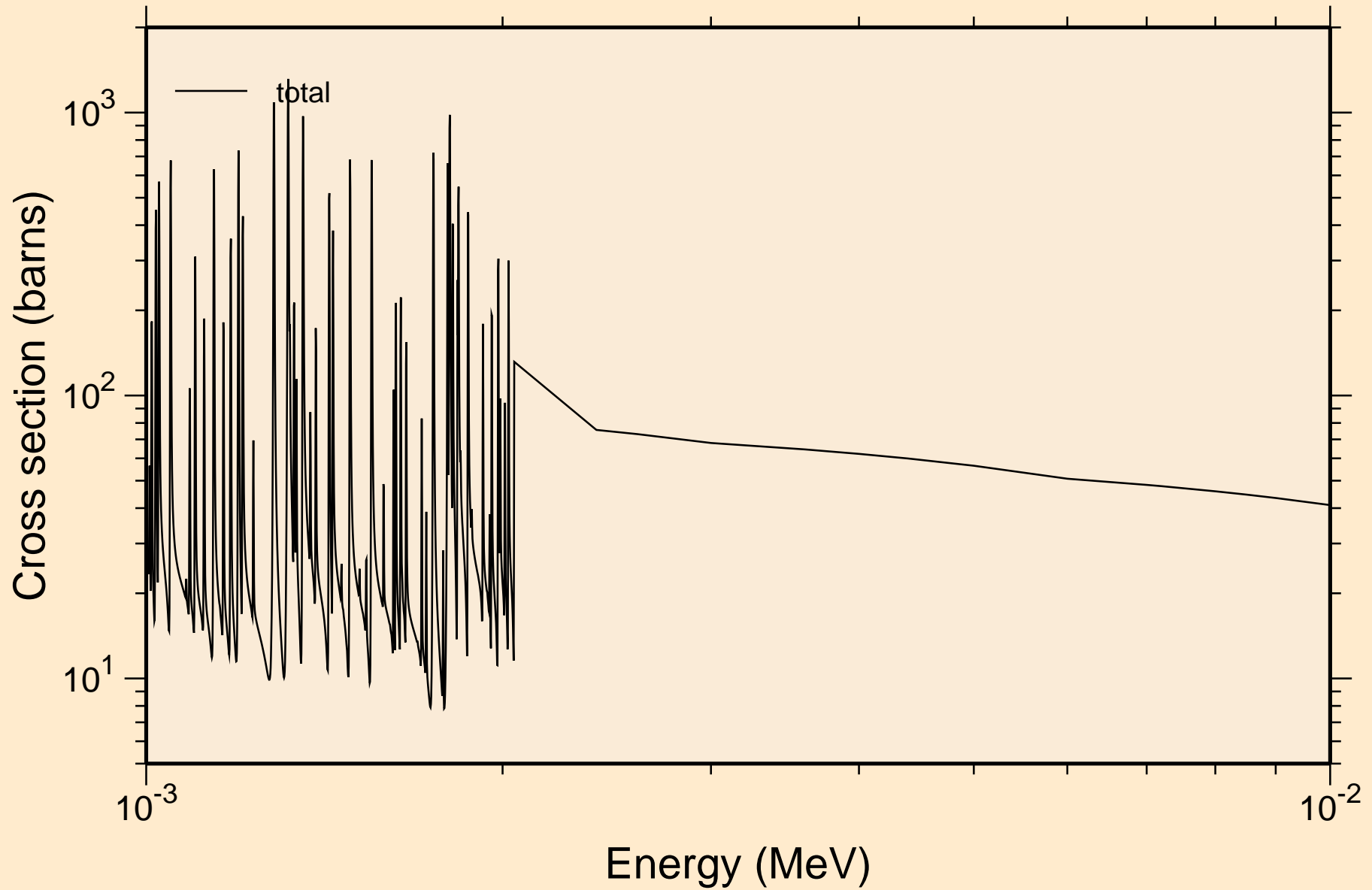
HF158 NRG TENDL-2015, AKONING  
resonance total cross section



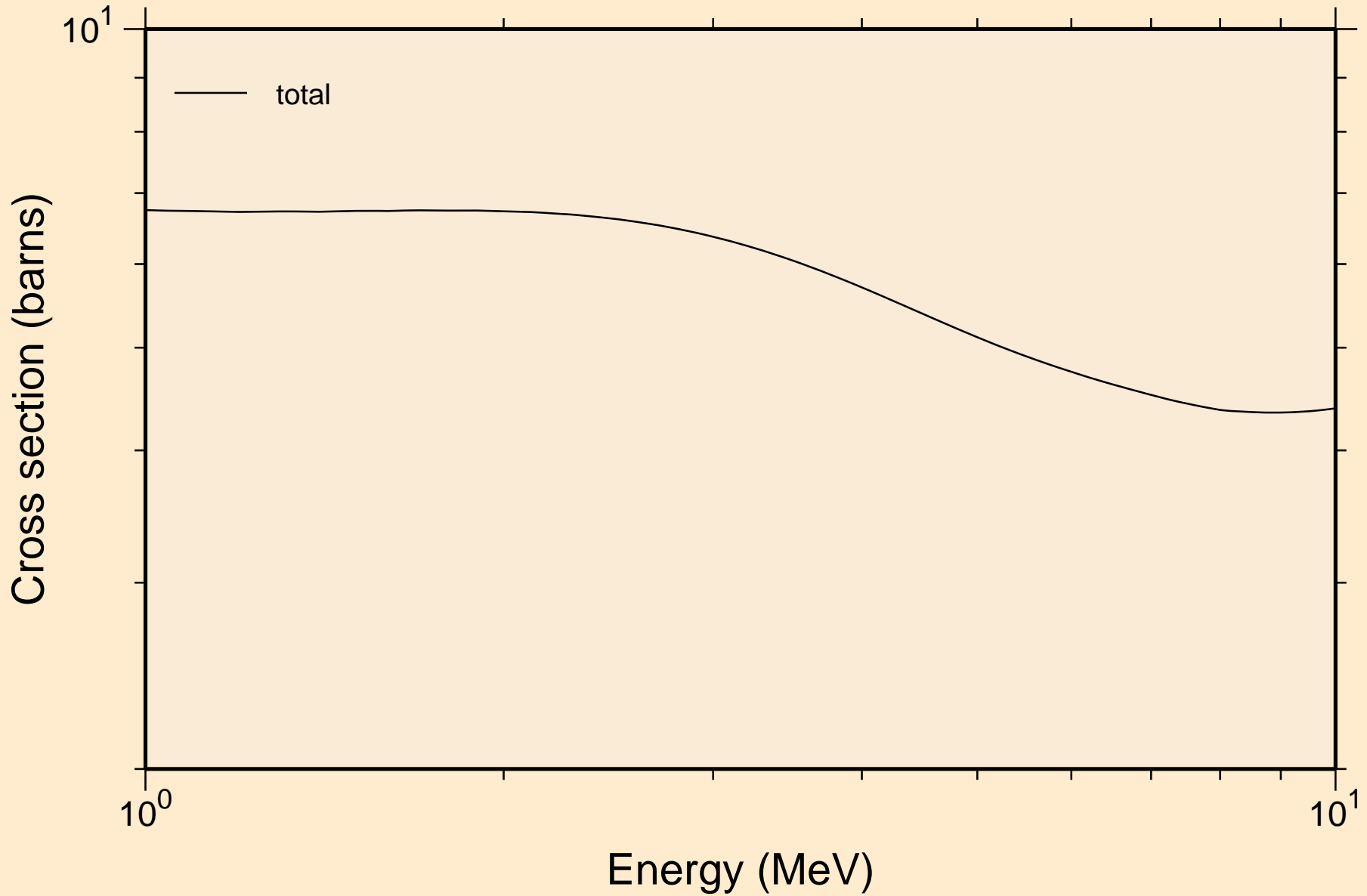
HF158 NRG TENDL-2015, AKONING  
resonance total cross section



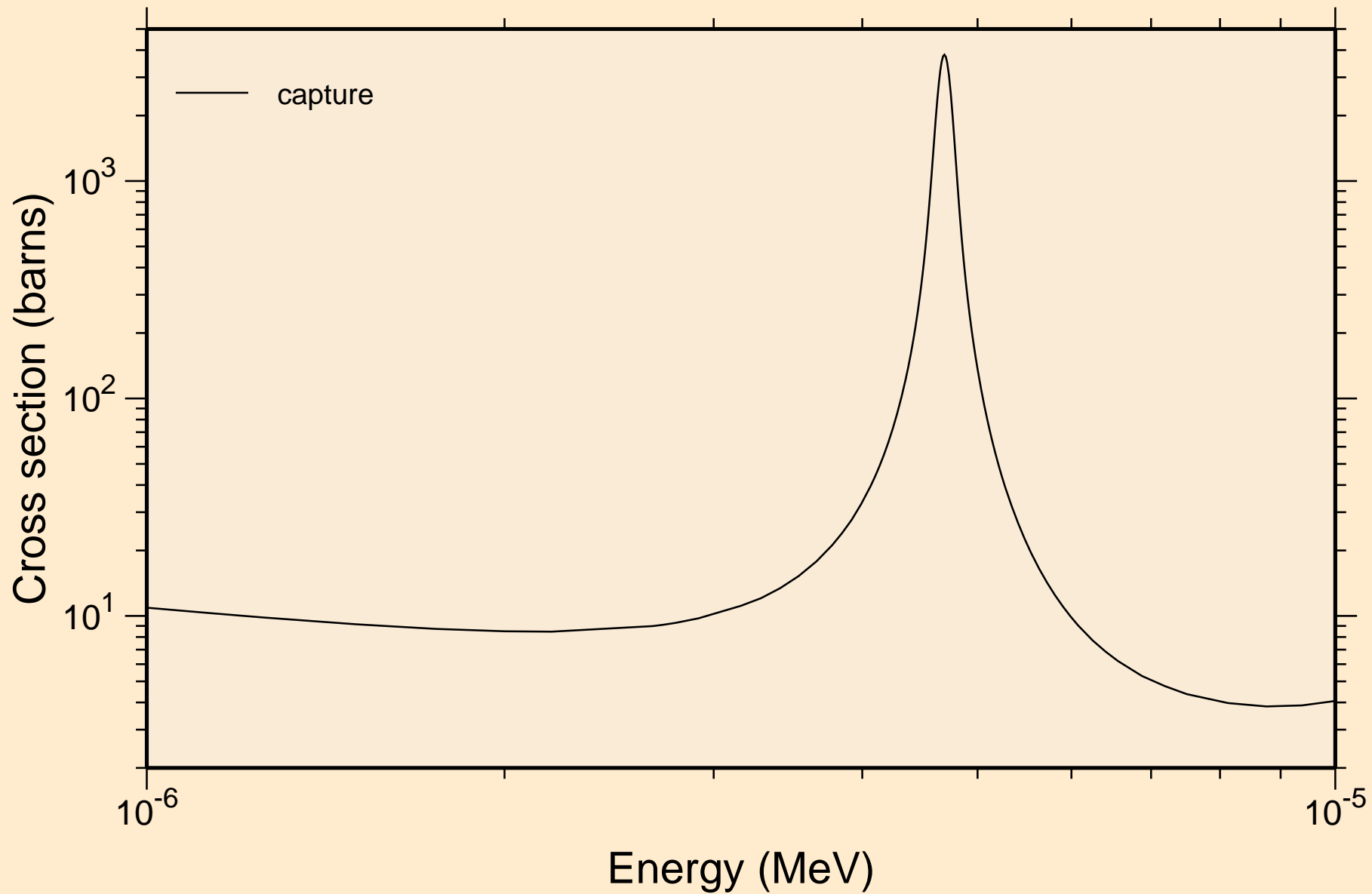
HF158 NRG TENDL-2015, AKONING  
resonance total cross section



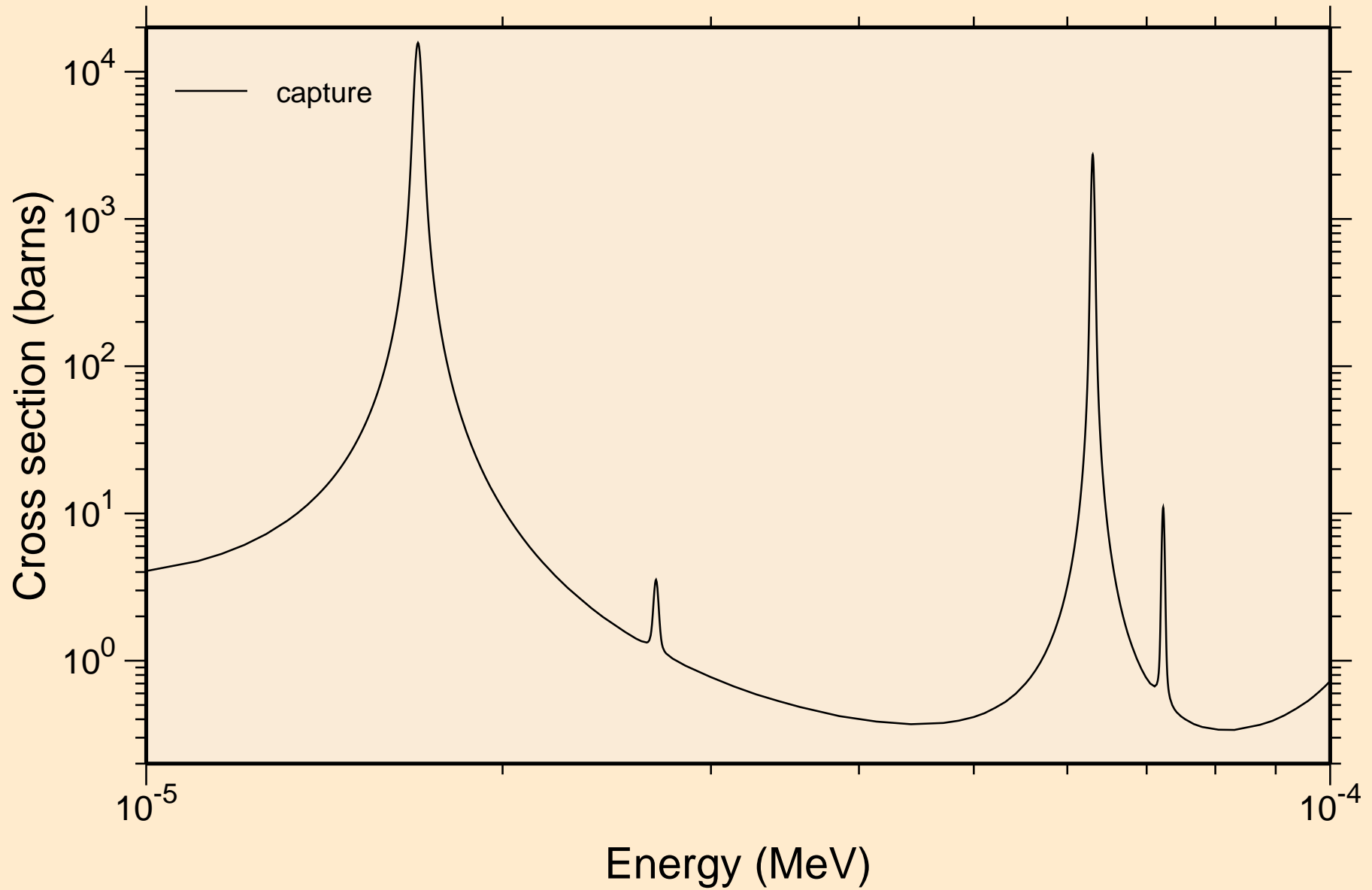
HF158 NRG TENDL-2015, AKONING  
resonance total cross section



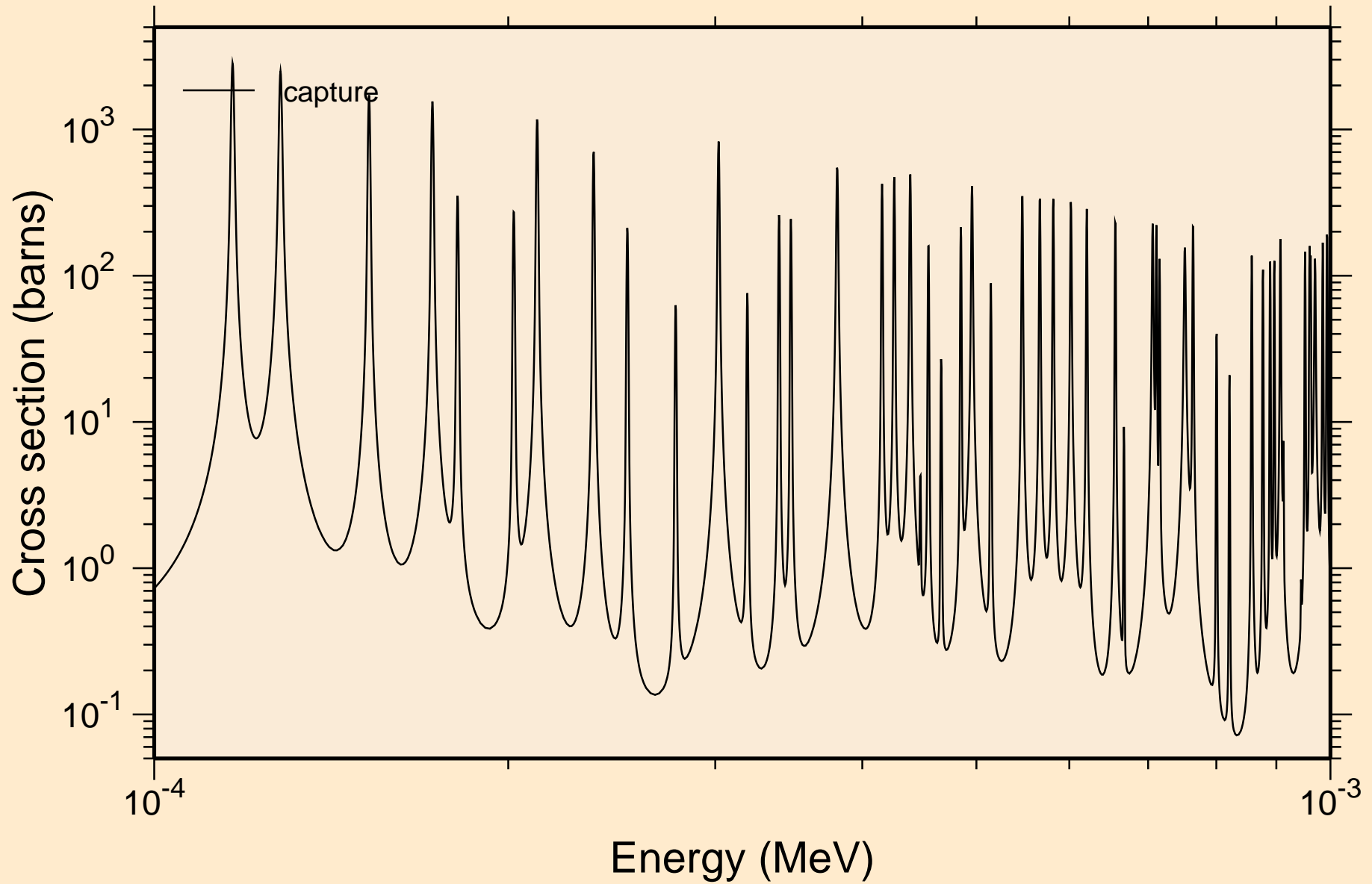
HF158 NRG TENDL-2015, AKONING  
resonance absorption cross sections



HF158 NRG TENDL-2015, AKONING  
resonance absorption cross sections

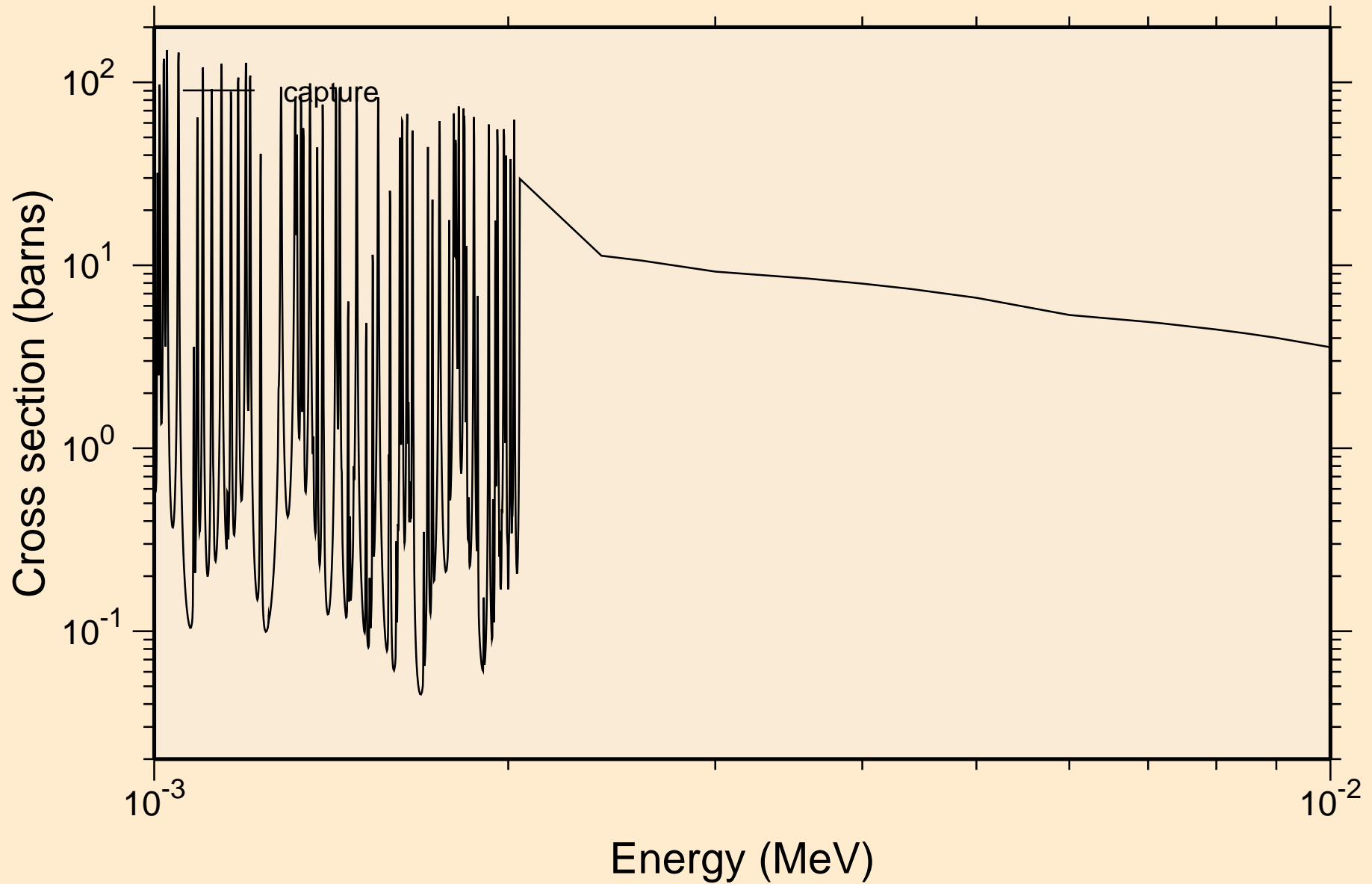


# HF158 NRG TENDL-2015, AKONING resonance absorption cross sections

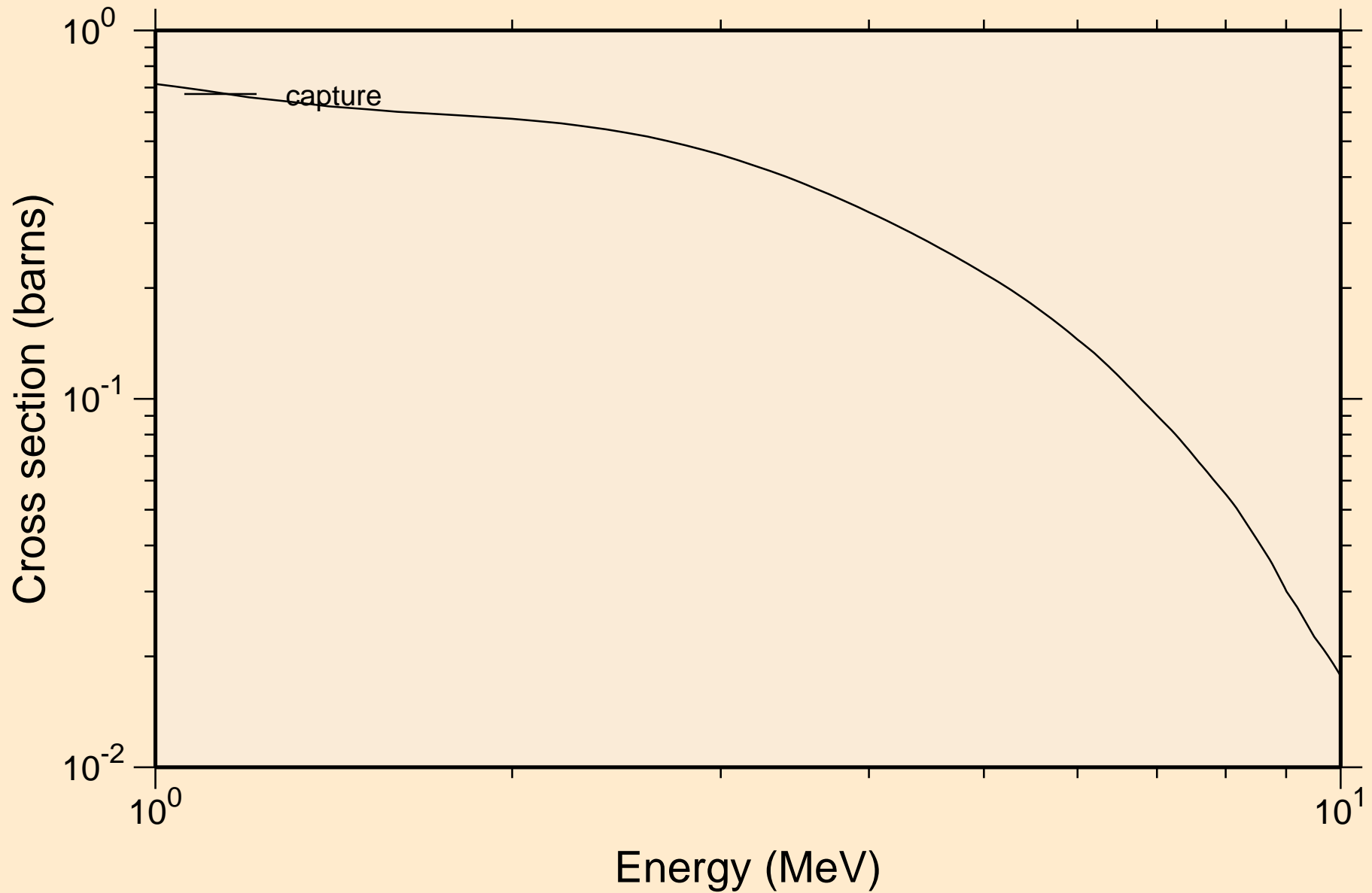




HF158 NRG TENDL-2015, AKONING  
resonance absorption cross sections

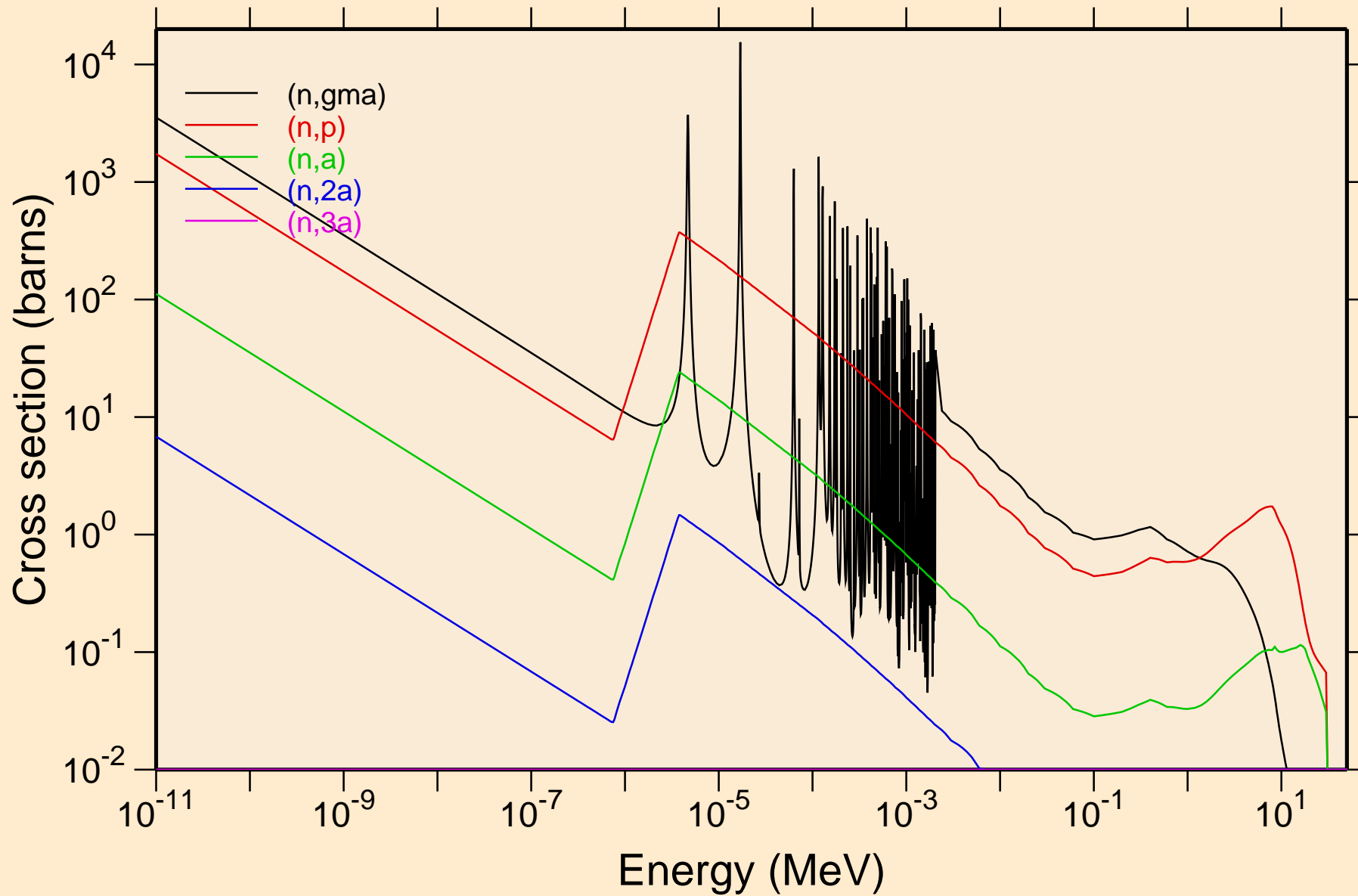


HF158 NRG TENDL-2015, AKONING  
resonance absorption cross sections



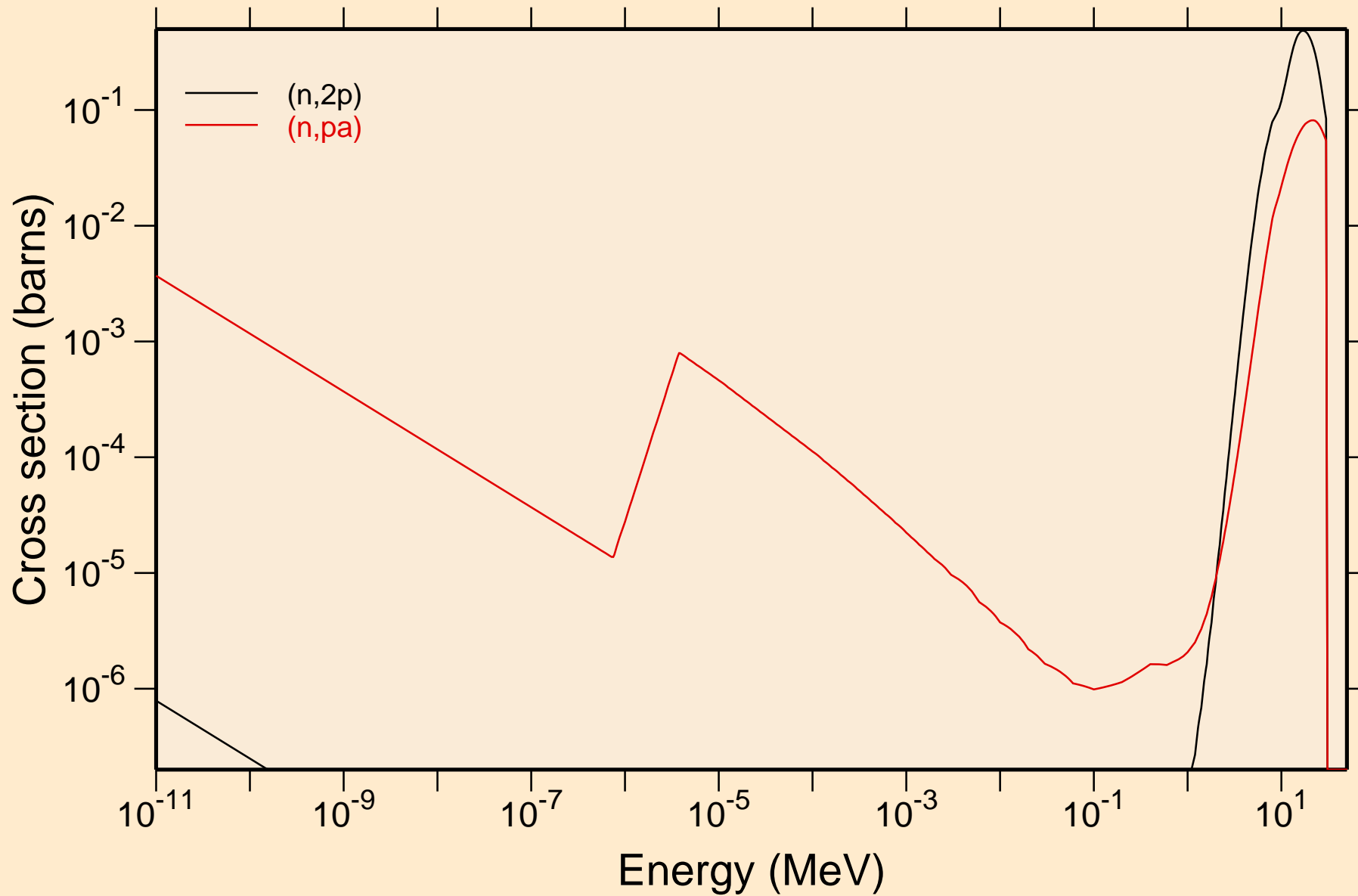
# HF158 NRG TENDL-2015, AKONING

## Non-threshold reactions



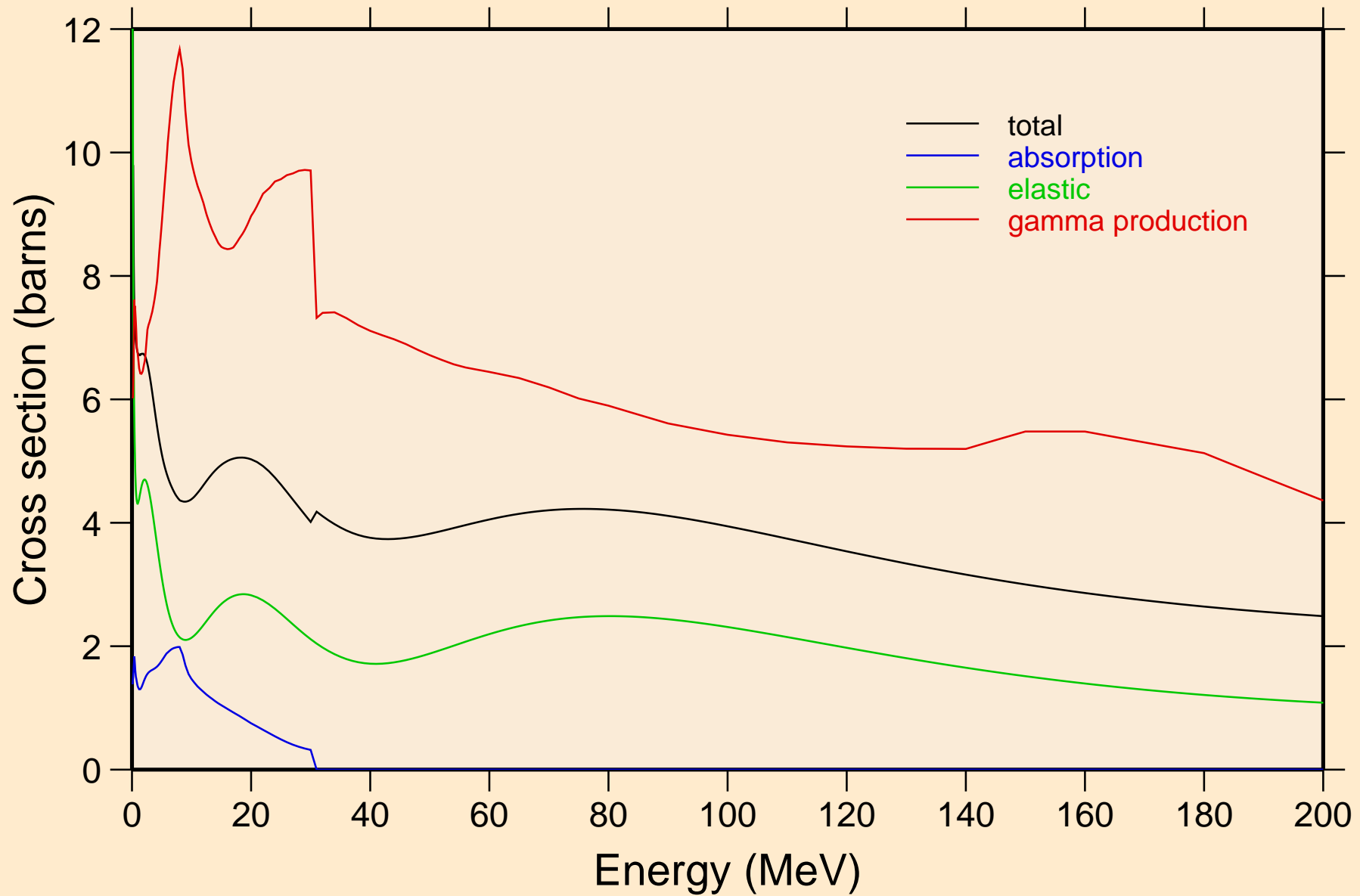
# HF158 NRG TENDL-2015, AKONING

## Non-threshold reactions



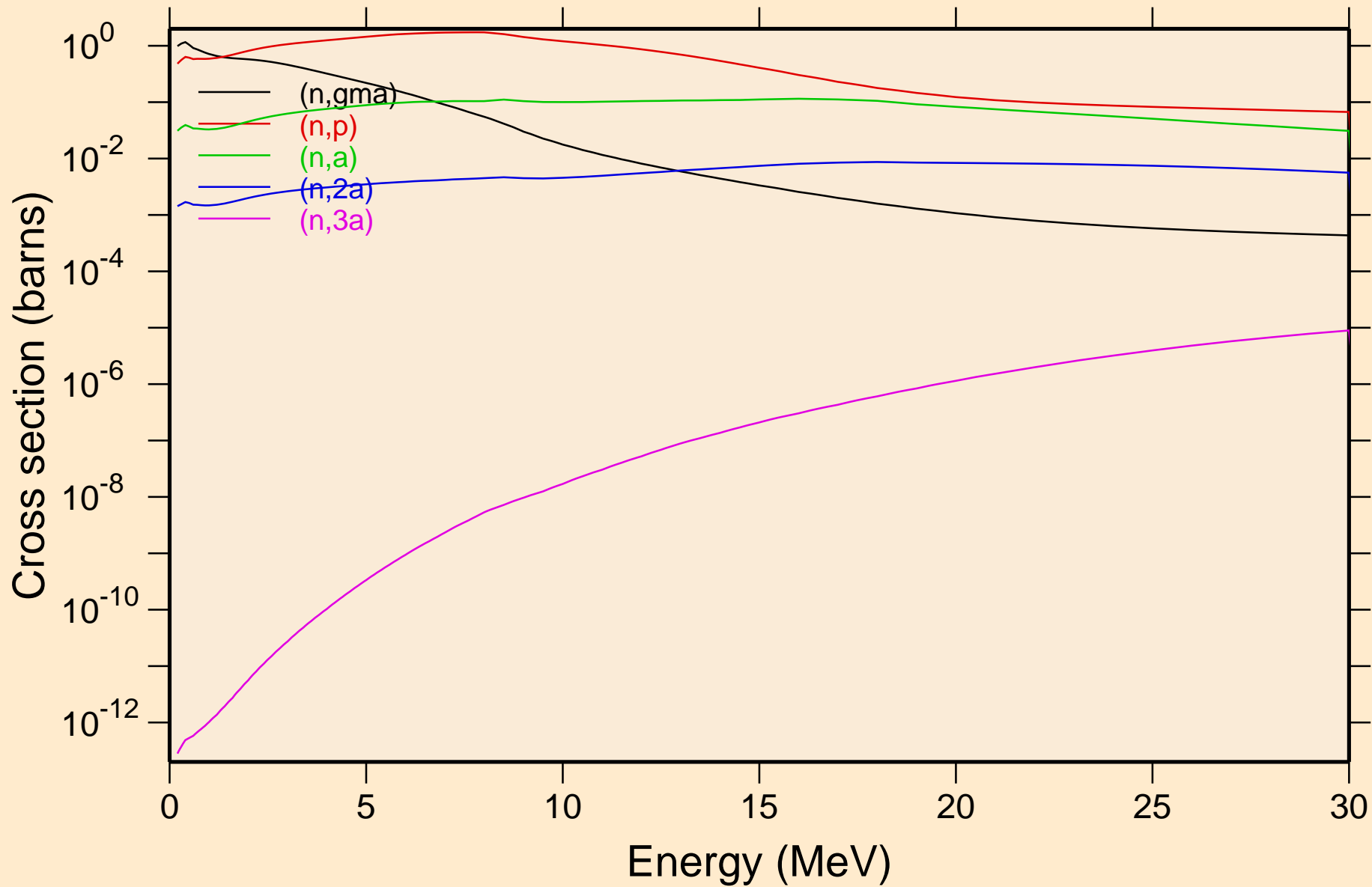
# HF158 NRG TENDL-2015, AKONING

## Principal cross sections



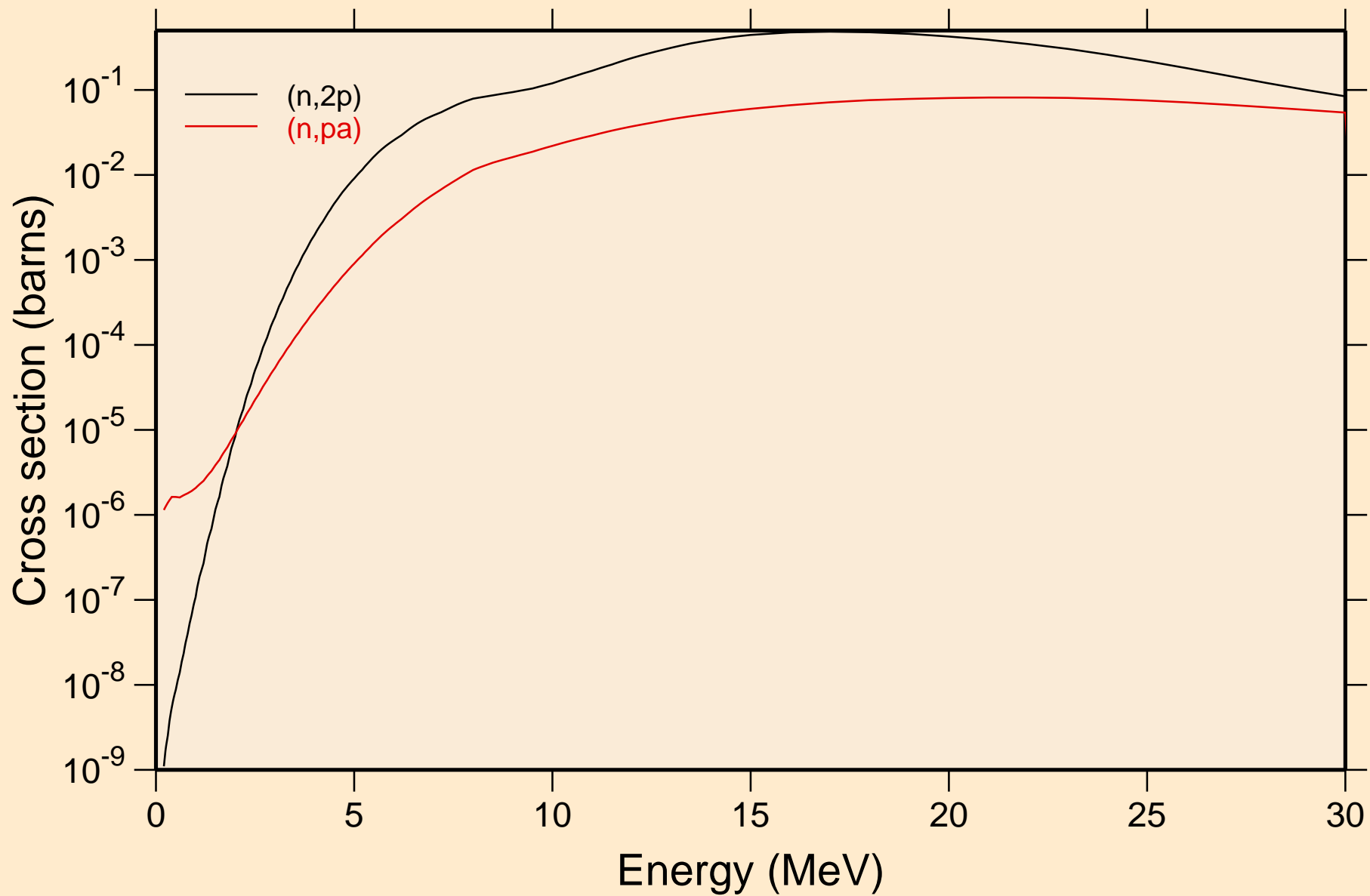
# HF158 NRG TENDL-2015, AKONING

## Non-threshold reactions



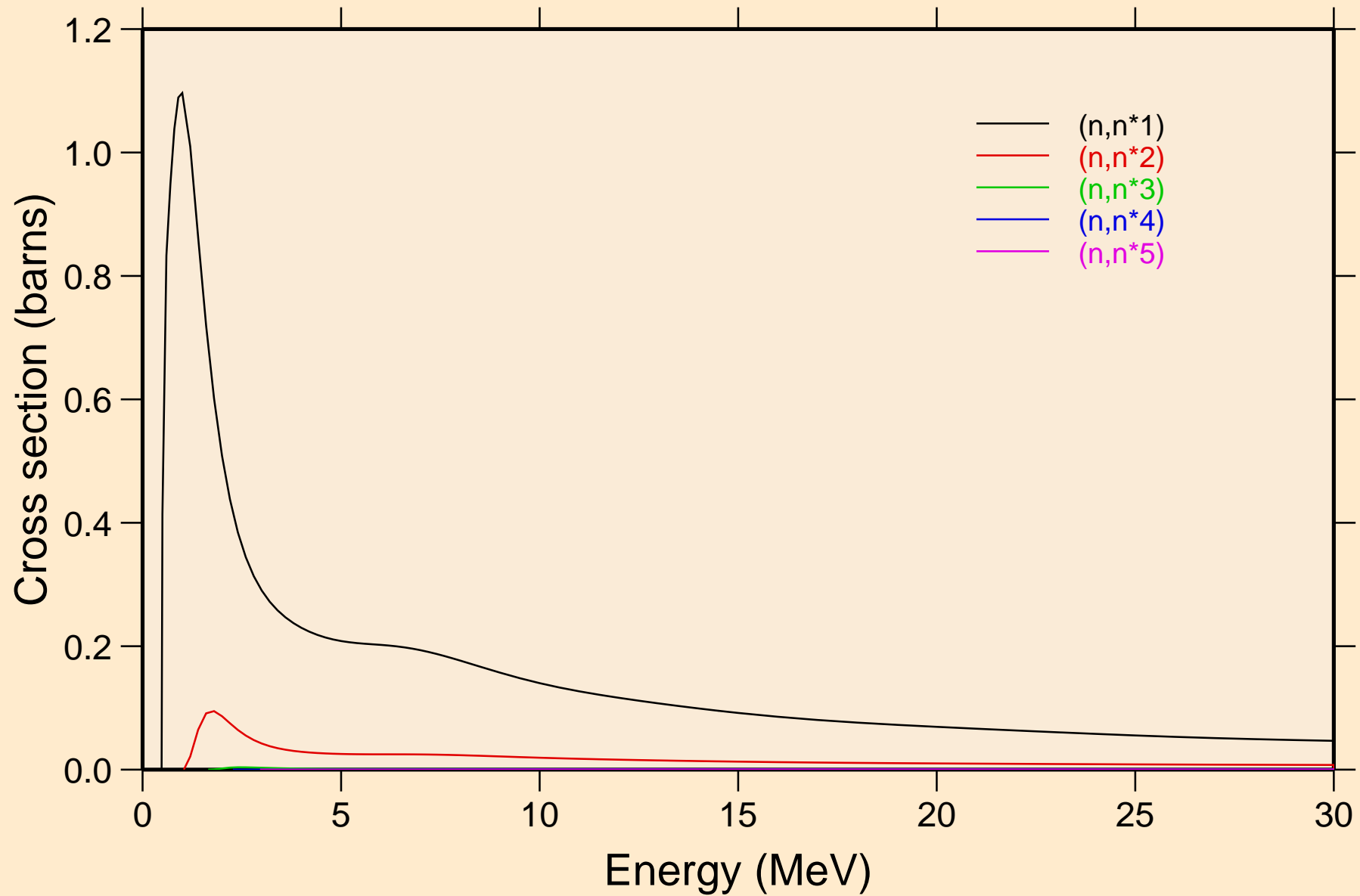
# HF158 NRG TENDL-2015, AKONING

## Non-threshold reactions



# HF158 NRG TENDL-2015, AKONING

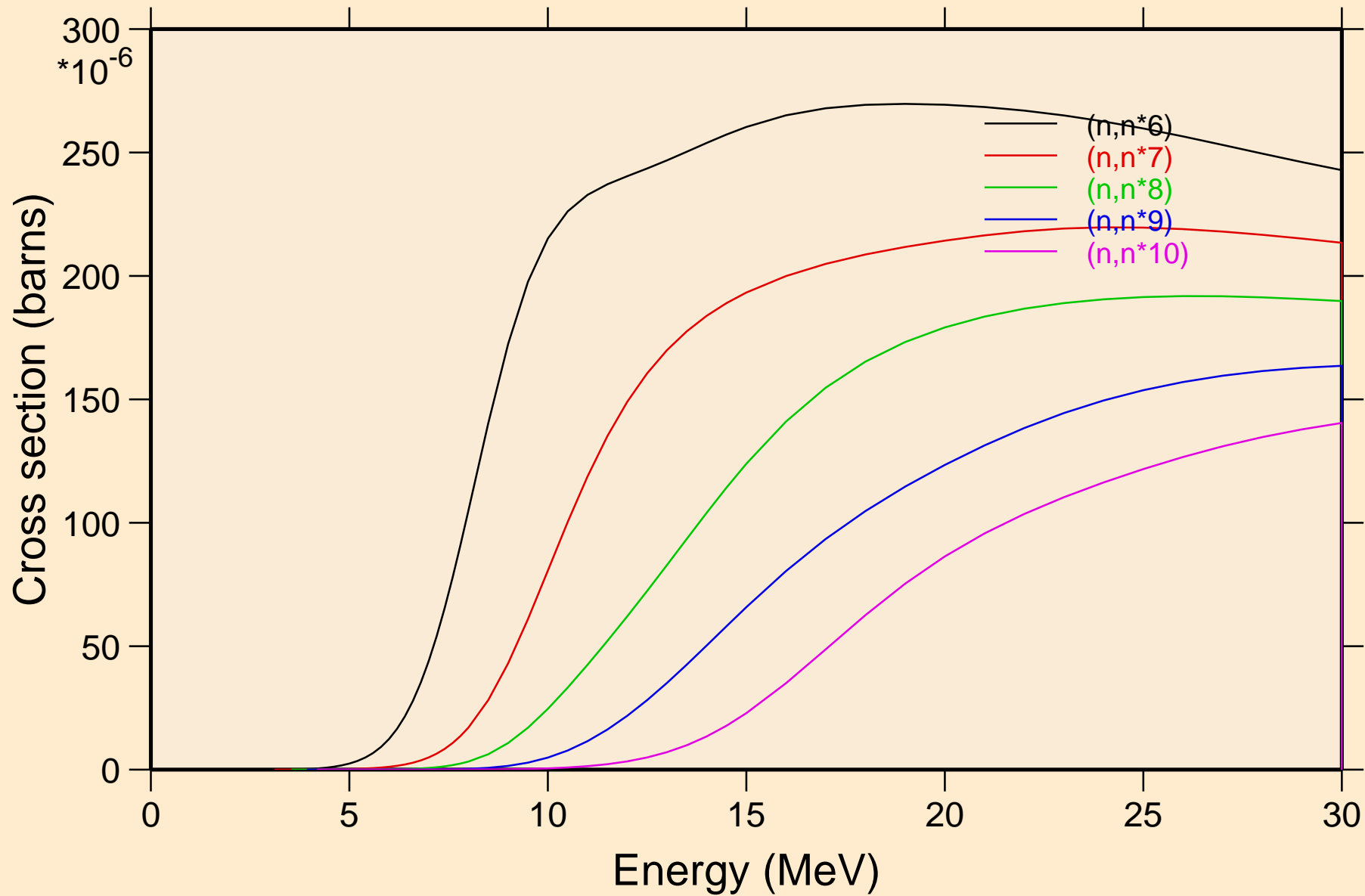
## Inelastic levels





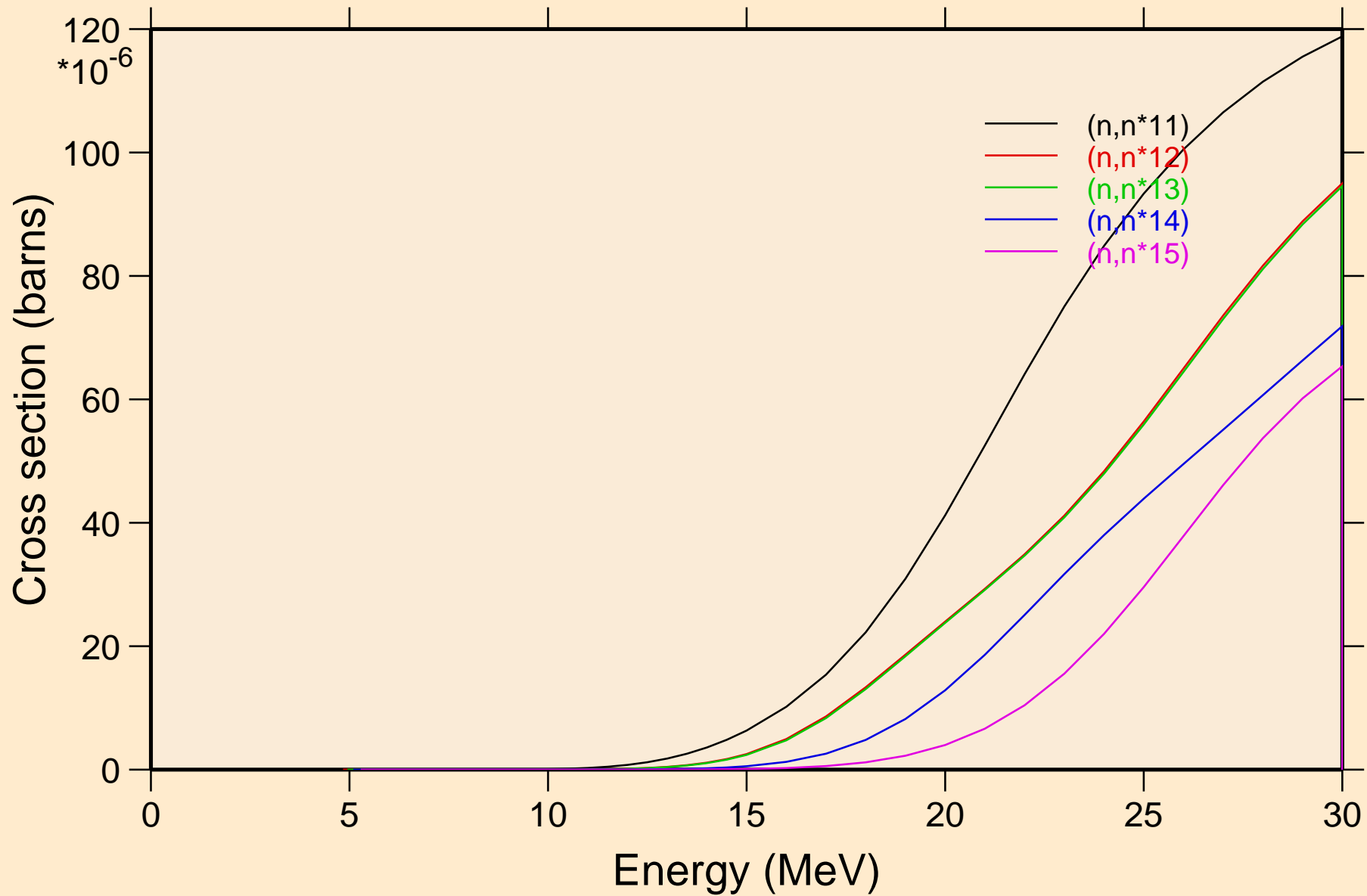
# HF158 NRG TENDL-2015, AKONING

## Inelastic levels



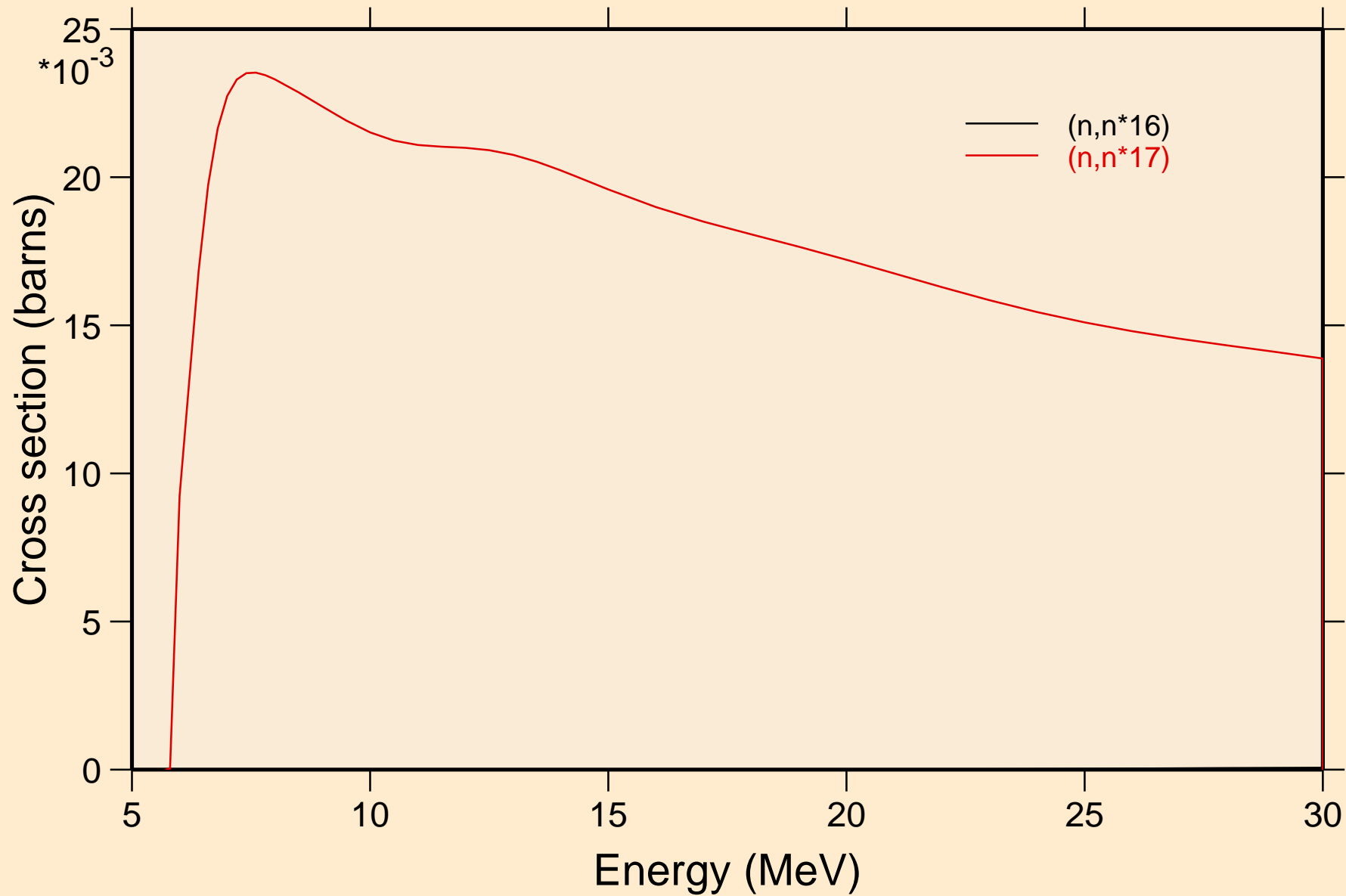
# HF158 NRG TENDL-2015, AKONING

## Inelastic levels



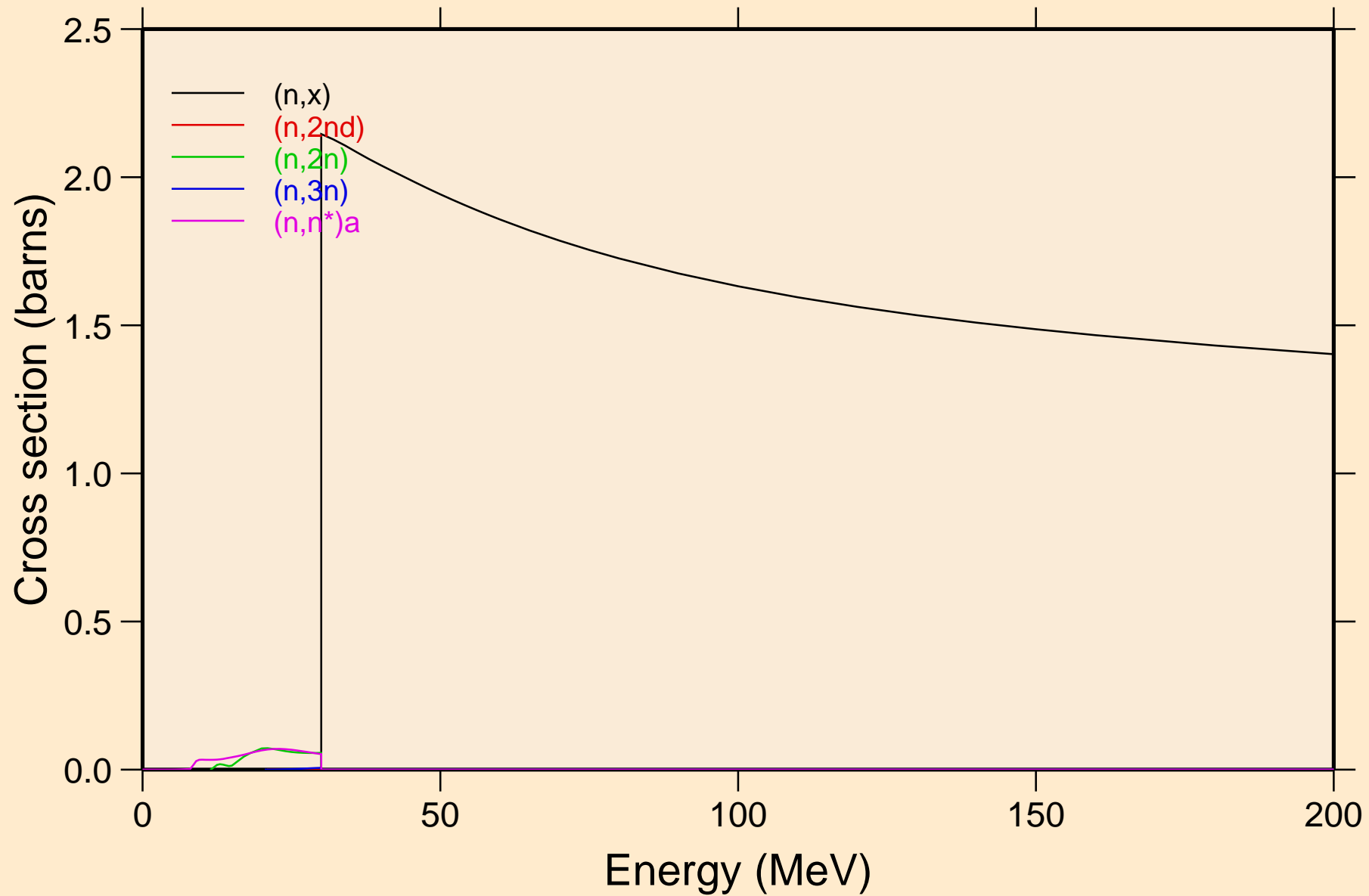
# HF158 NRG TENDL-2015, AKONING

## Inelastic levels



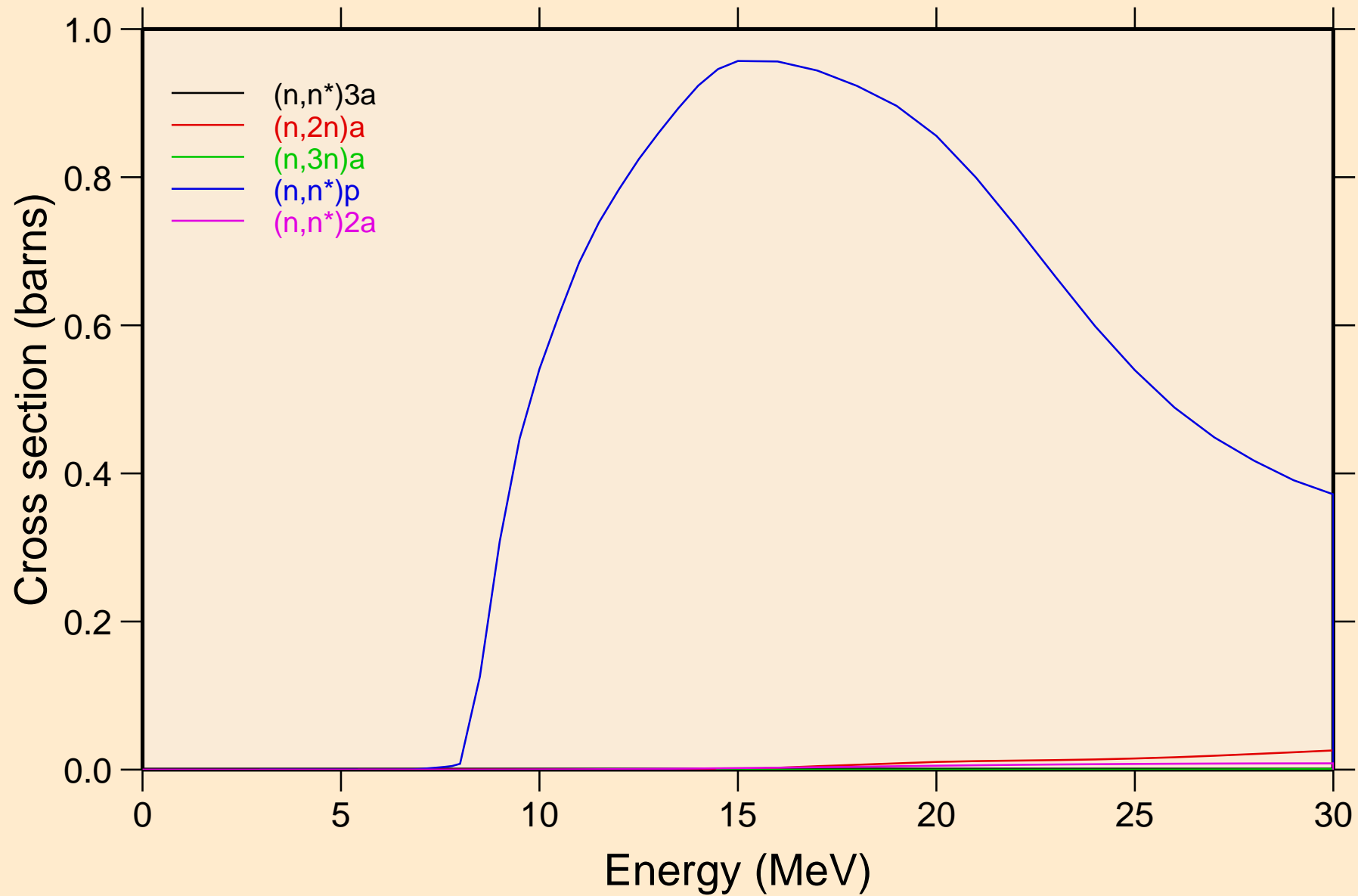
# HF158 NRG TENDL-2015, AKONING

## Threshold reactions



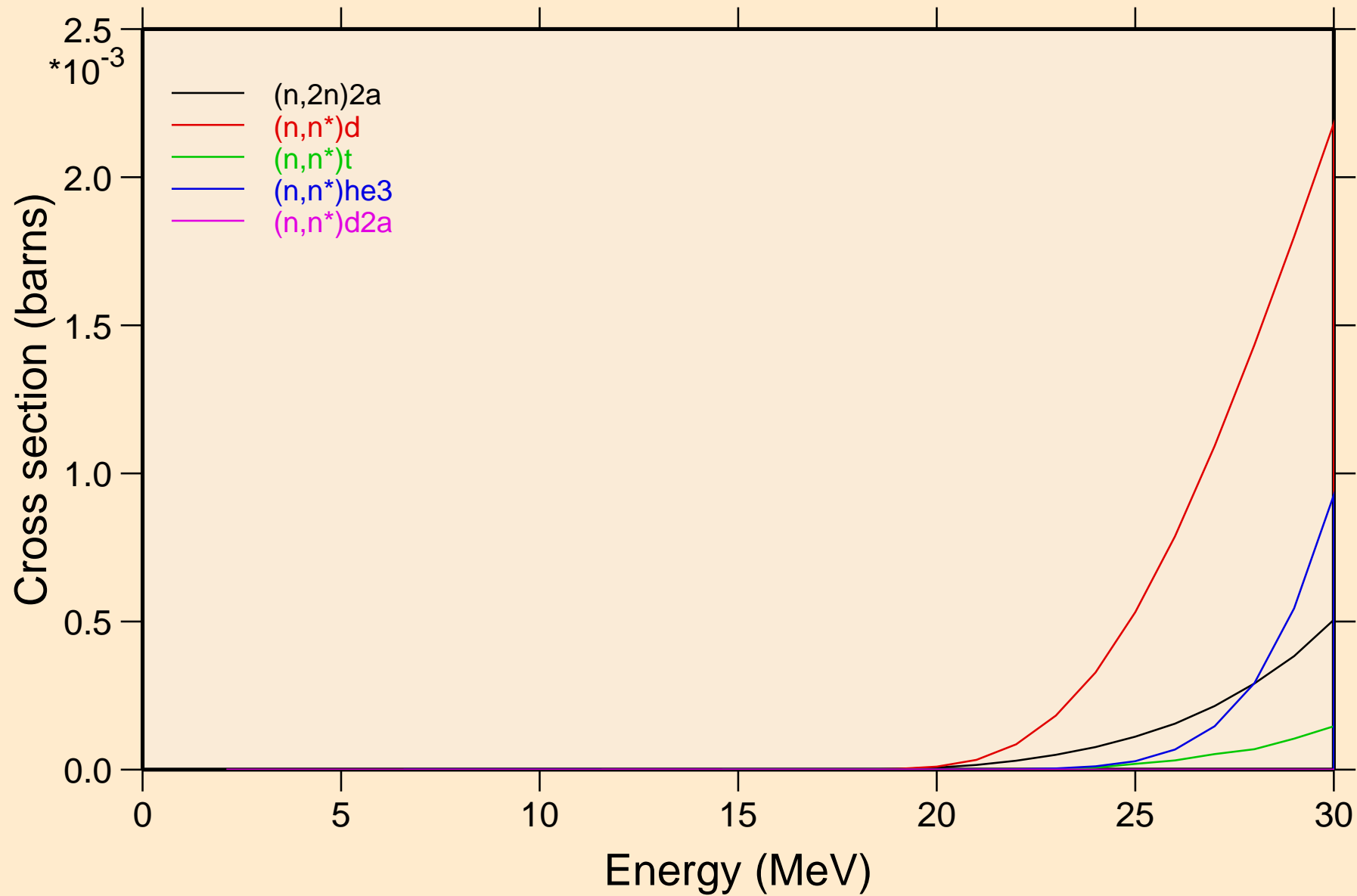
# HF158 NRG TENDL-2015, AKONING

## Threshold reactions



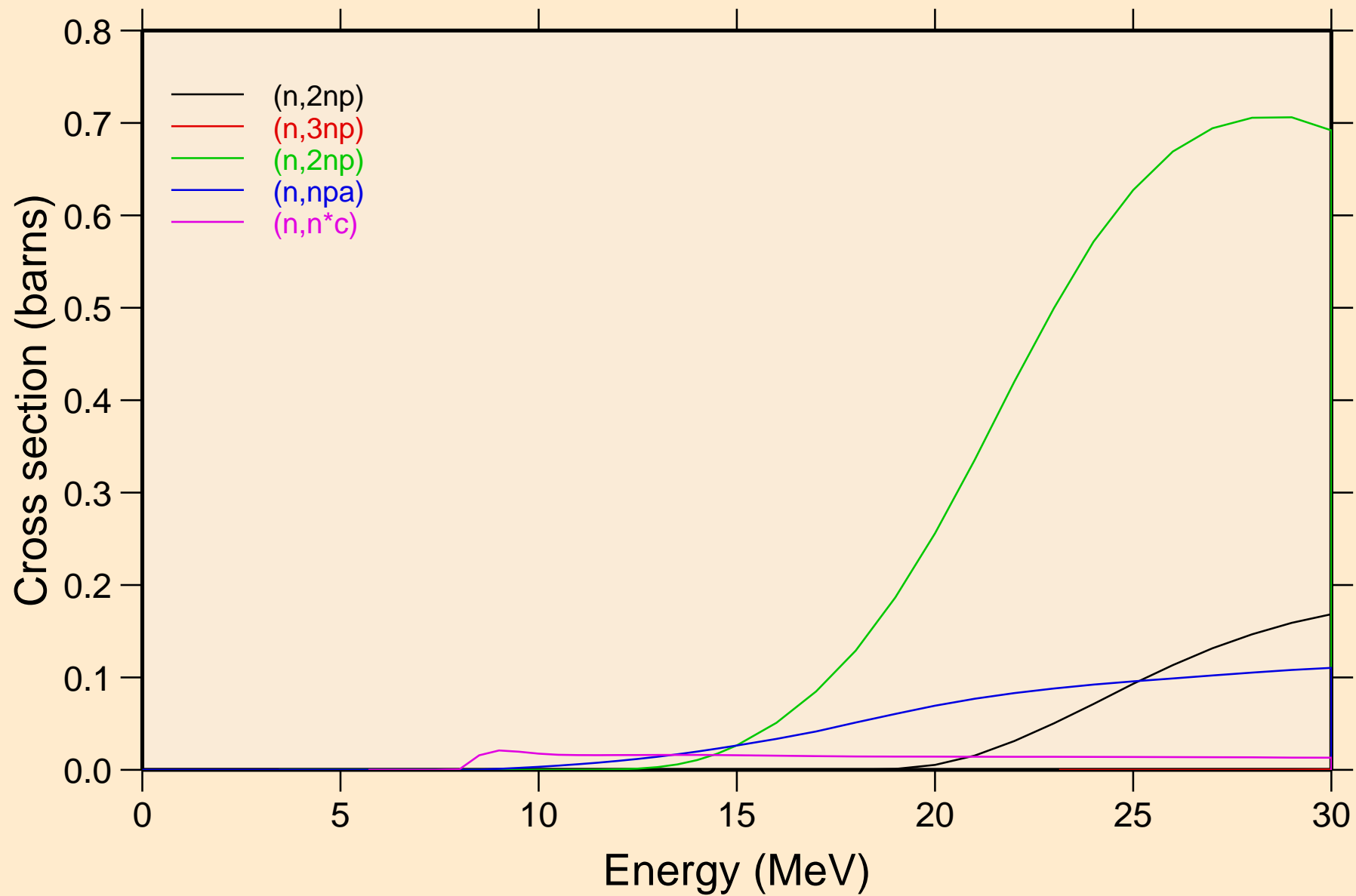
# HF158 NRG TENDL-2015, AKONING

## Threshold reactions



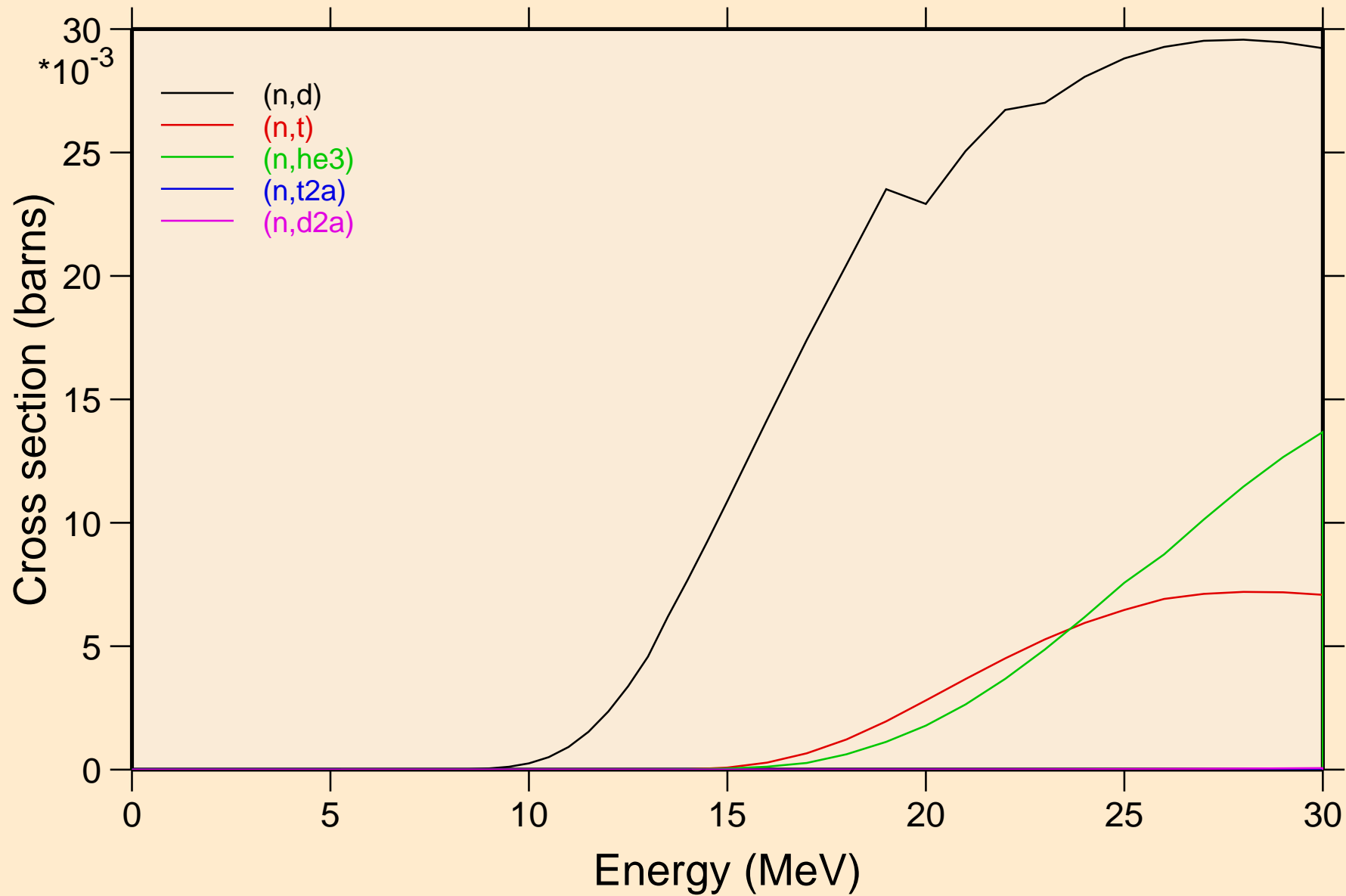
# HF158 NRG TENDL-2015, AKONING

## Threshold reactions



# HF158 NRG TENDL-2015, AKONING

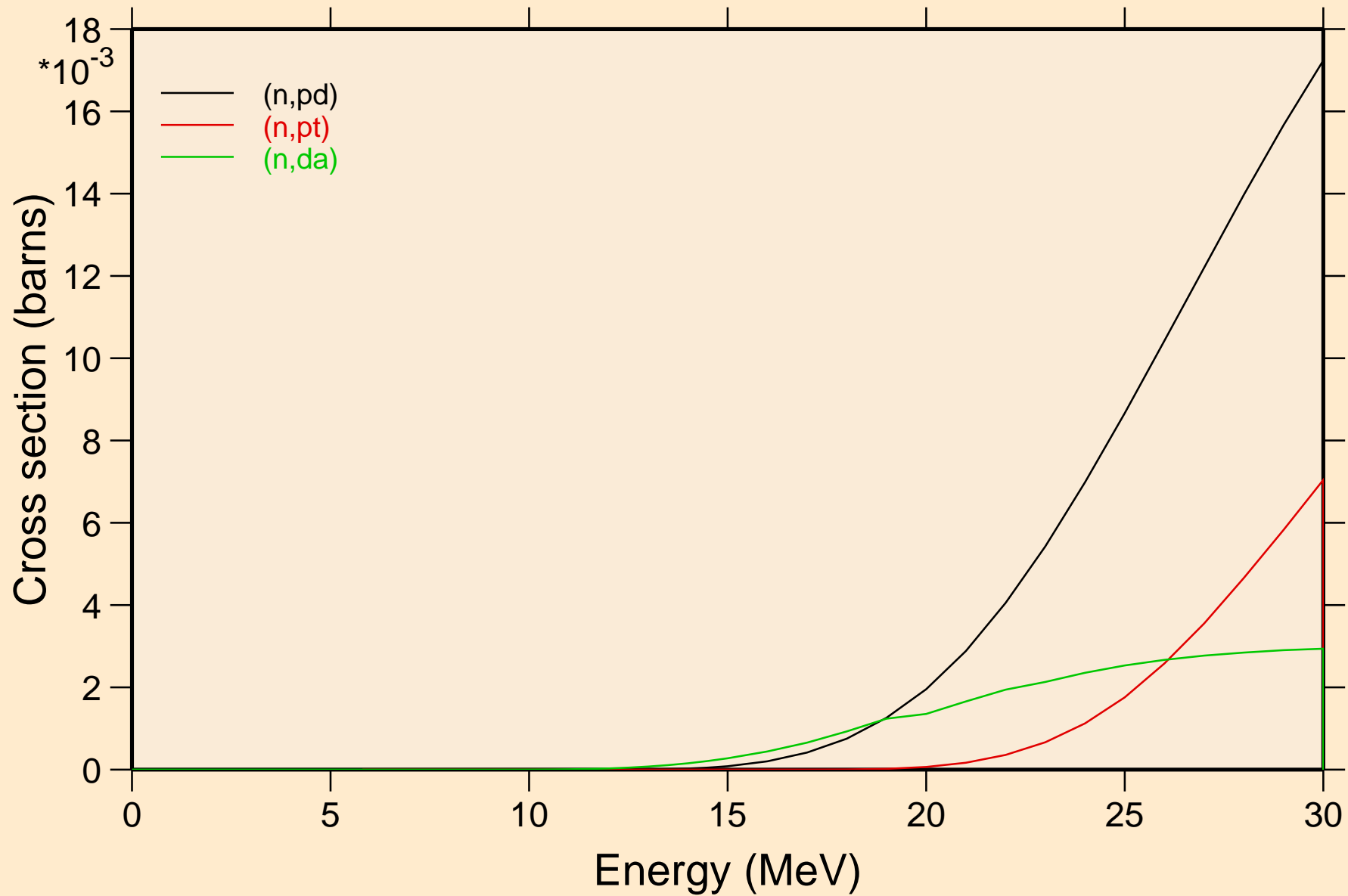
## Threshold reactions



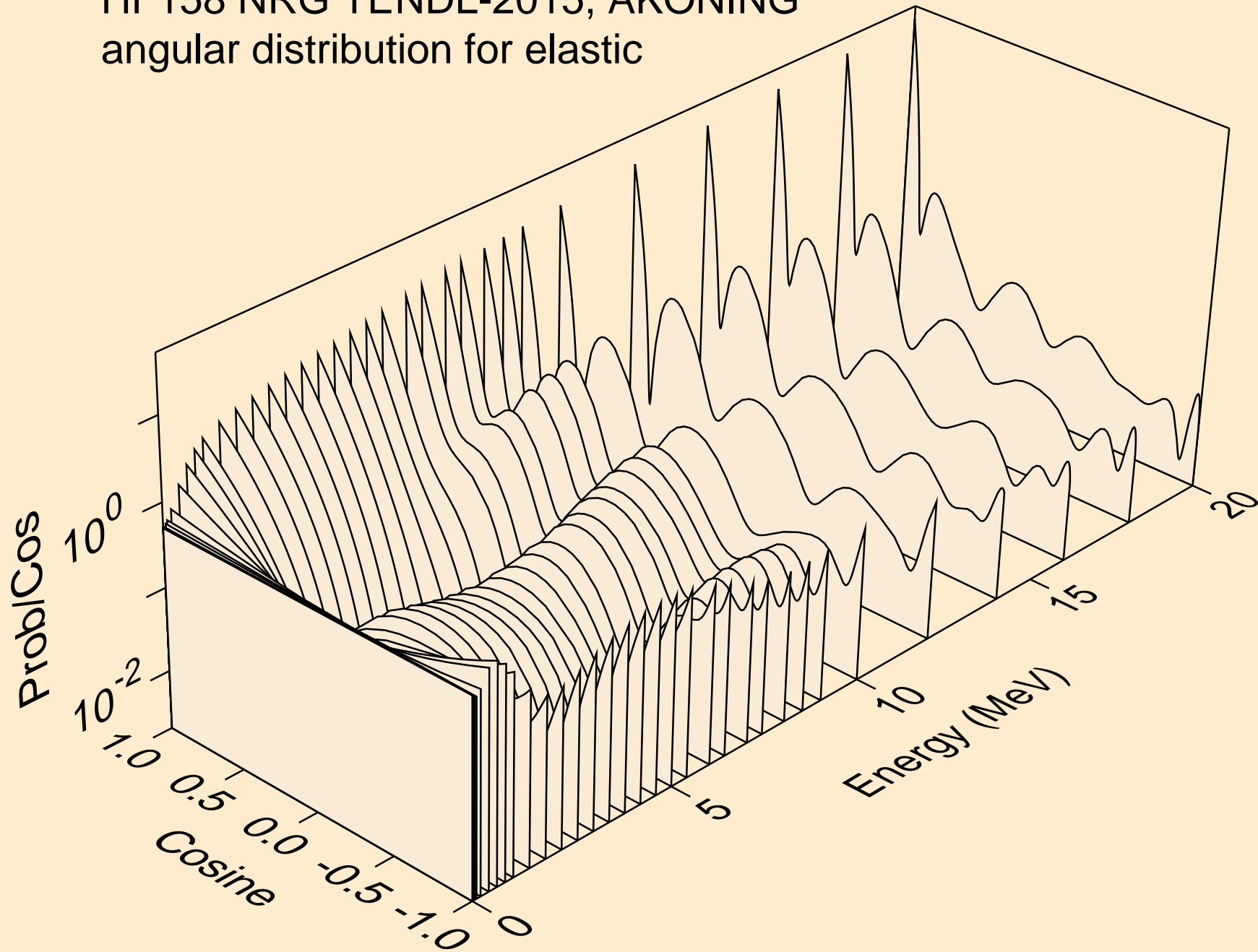


# HF158 NRG TENDL-2015, AKONING

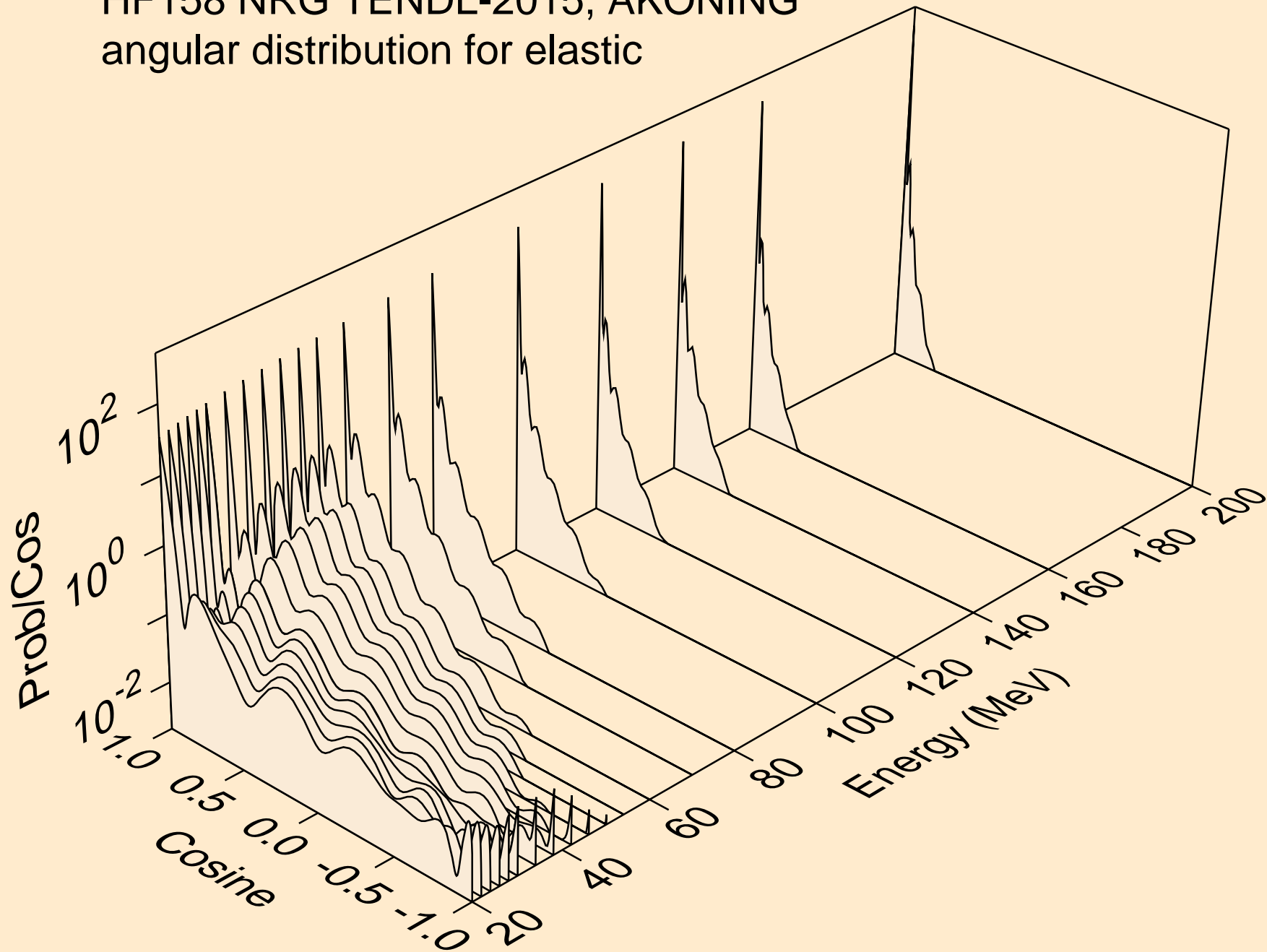
## Threshold reactions



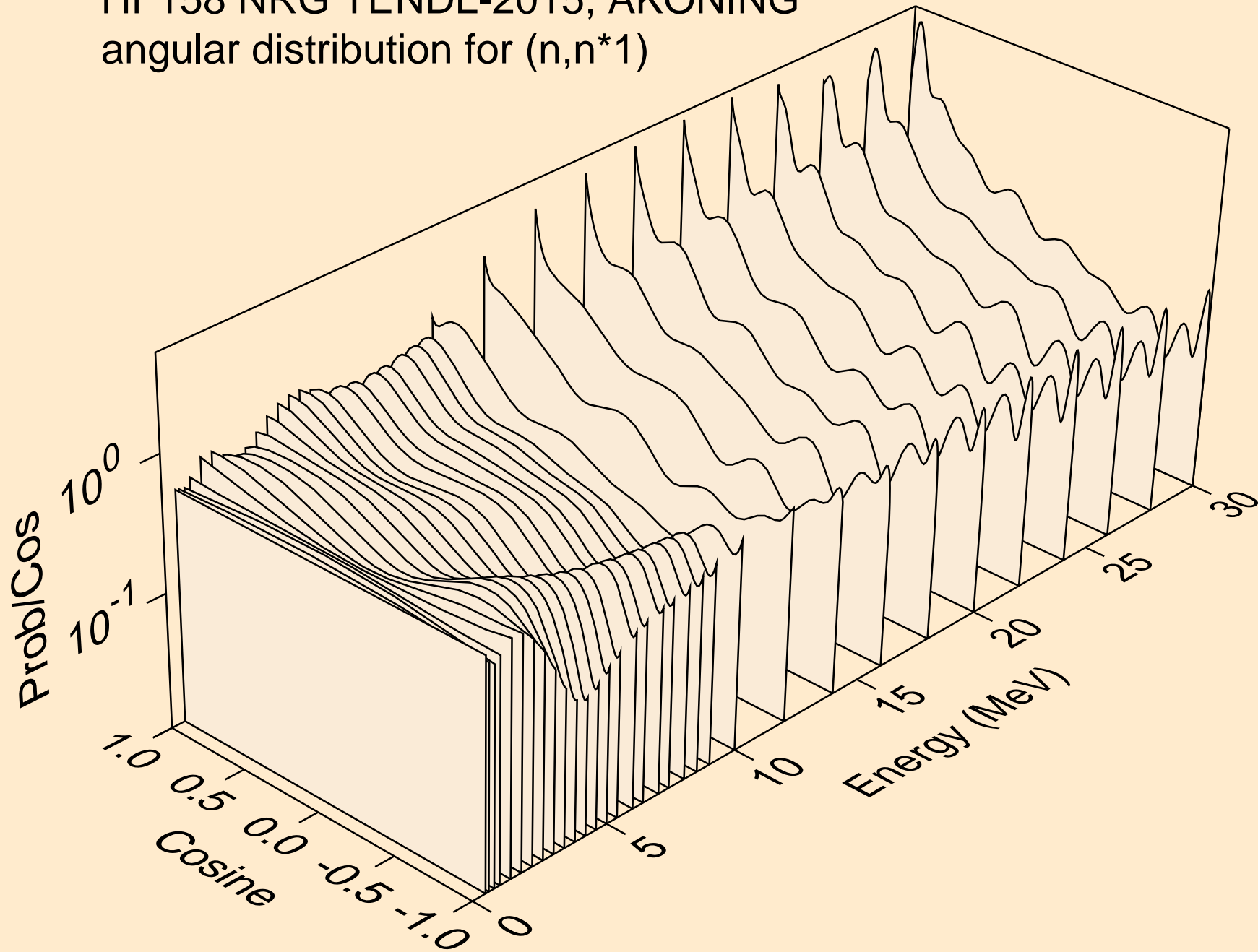
HF158 NRG TENDL-2015, AKONING  
angular distribution for elastic



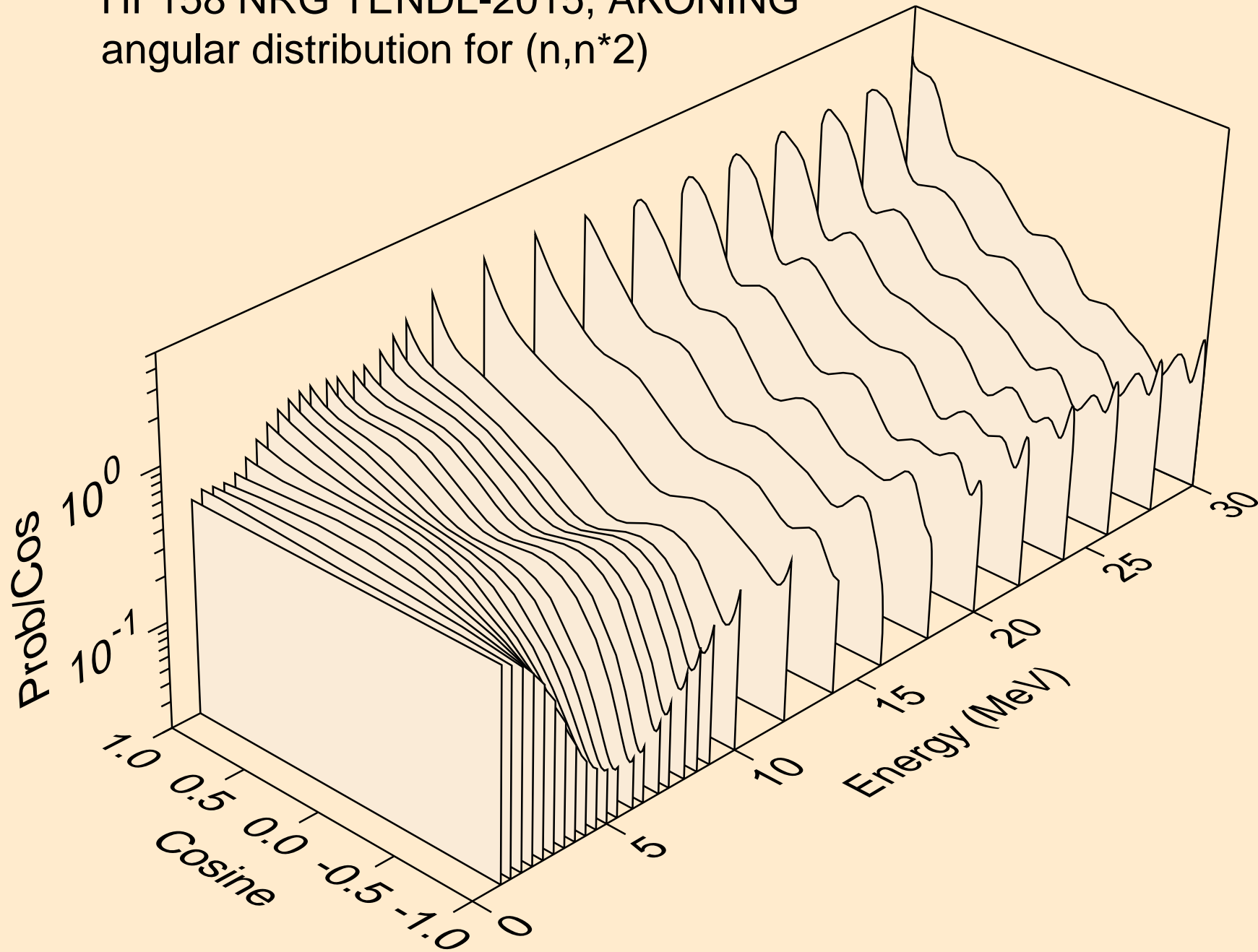
HF158 NRG TENDL-2015, AKONING  
angular distribution for elastic



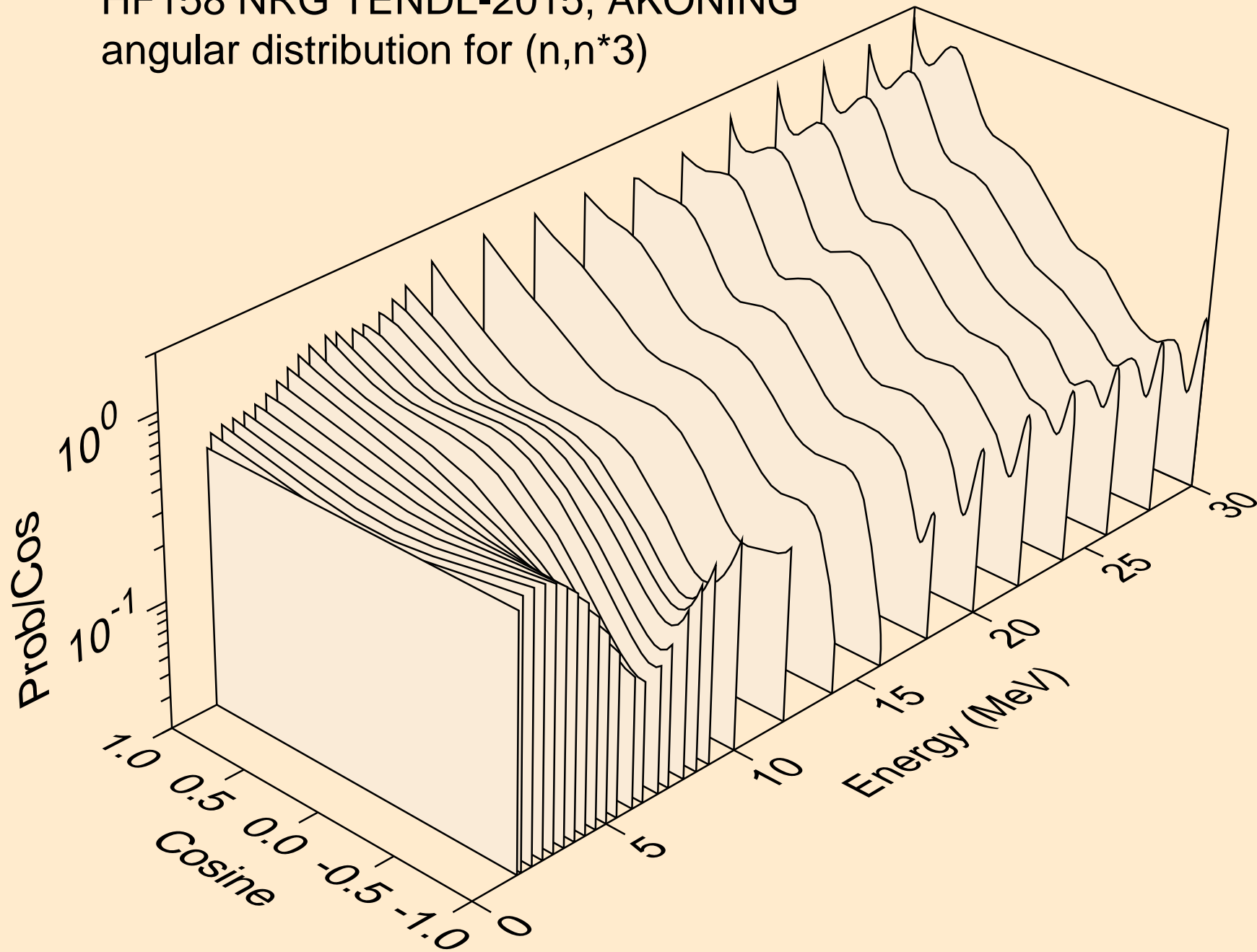
HF158 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*1)



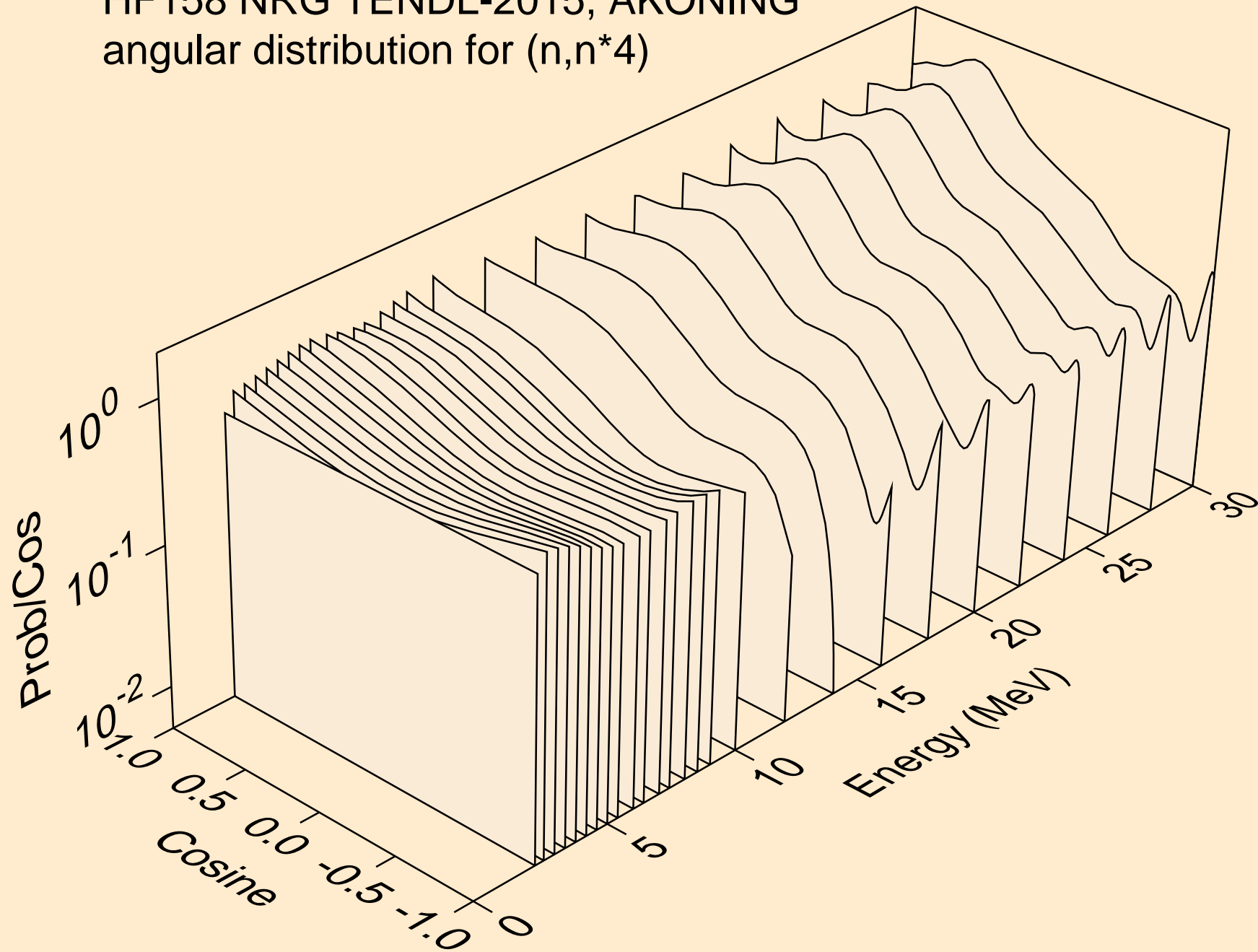
HF158 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*2)



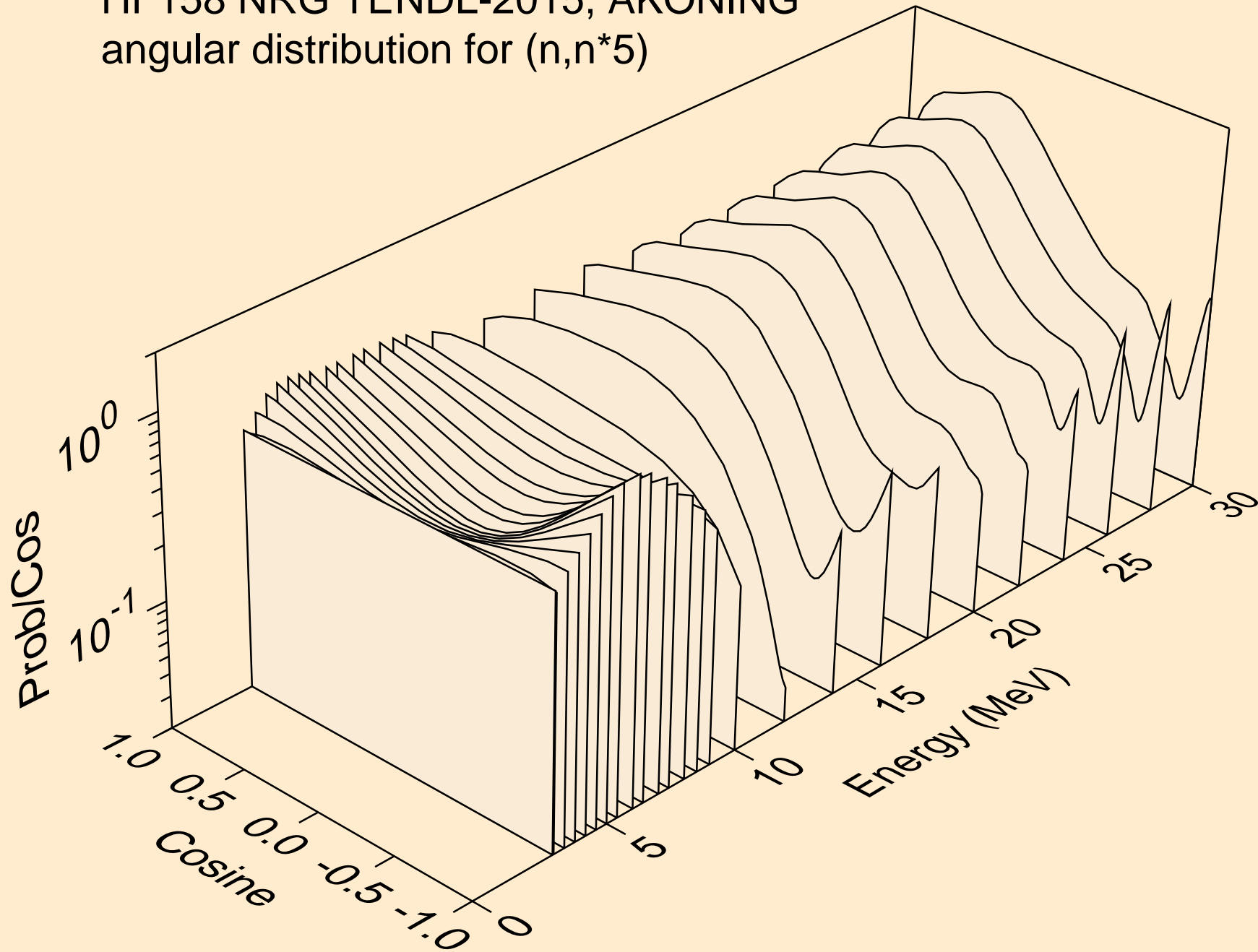
HF158 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*3)



HF158 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*4)

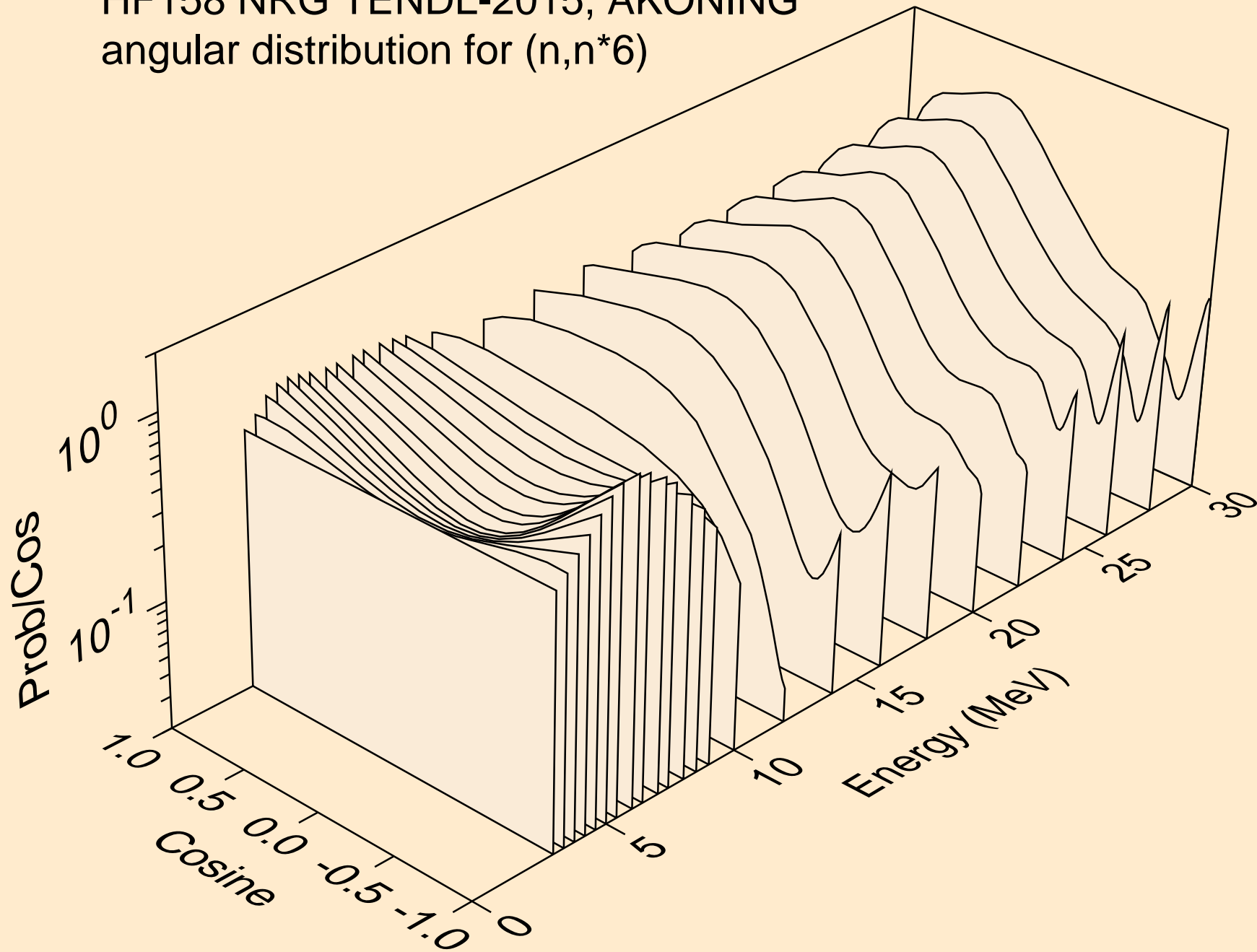


HF158 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*5)

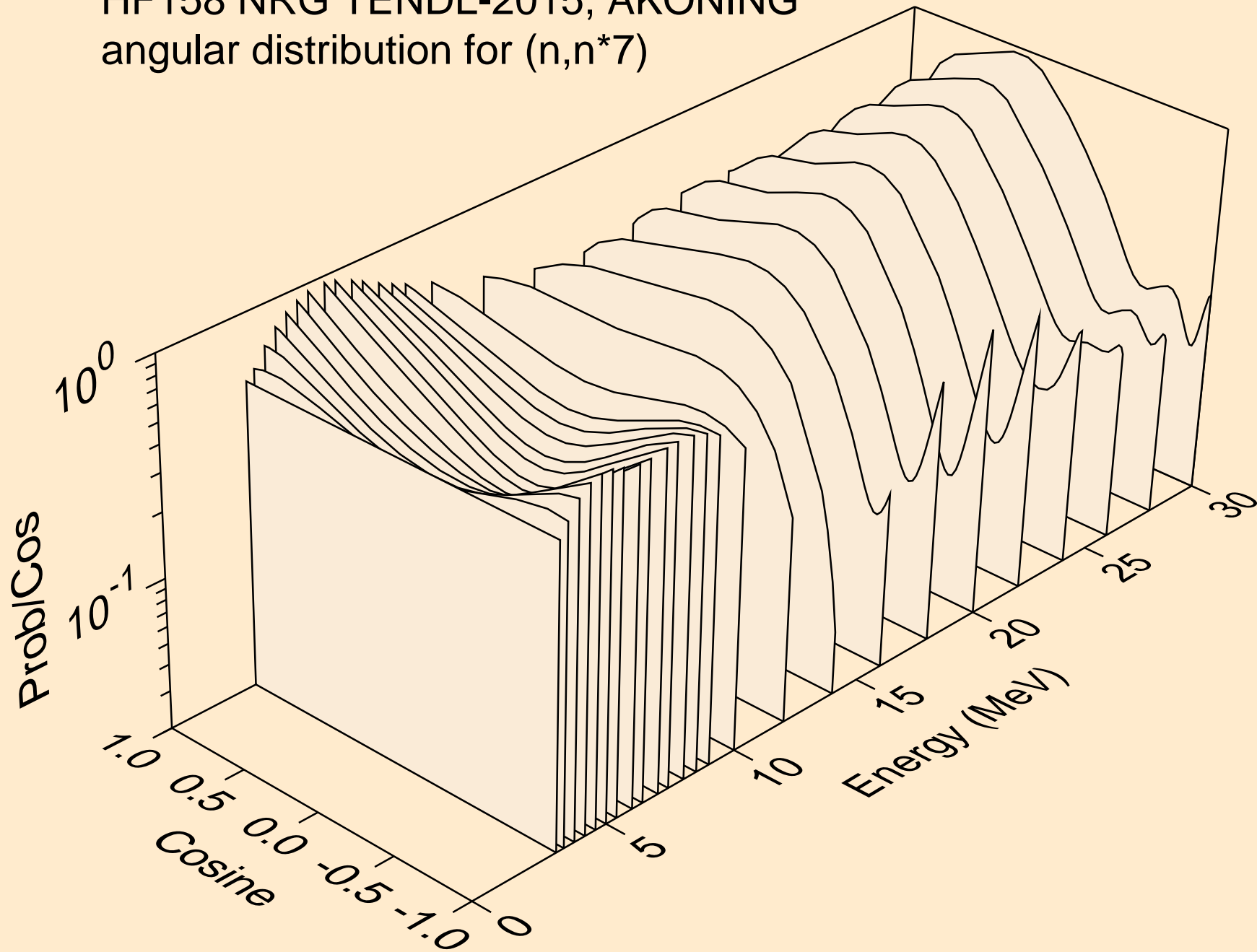




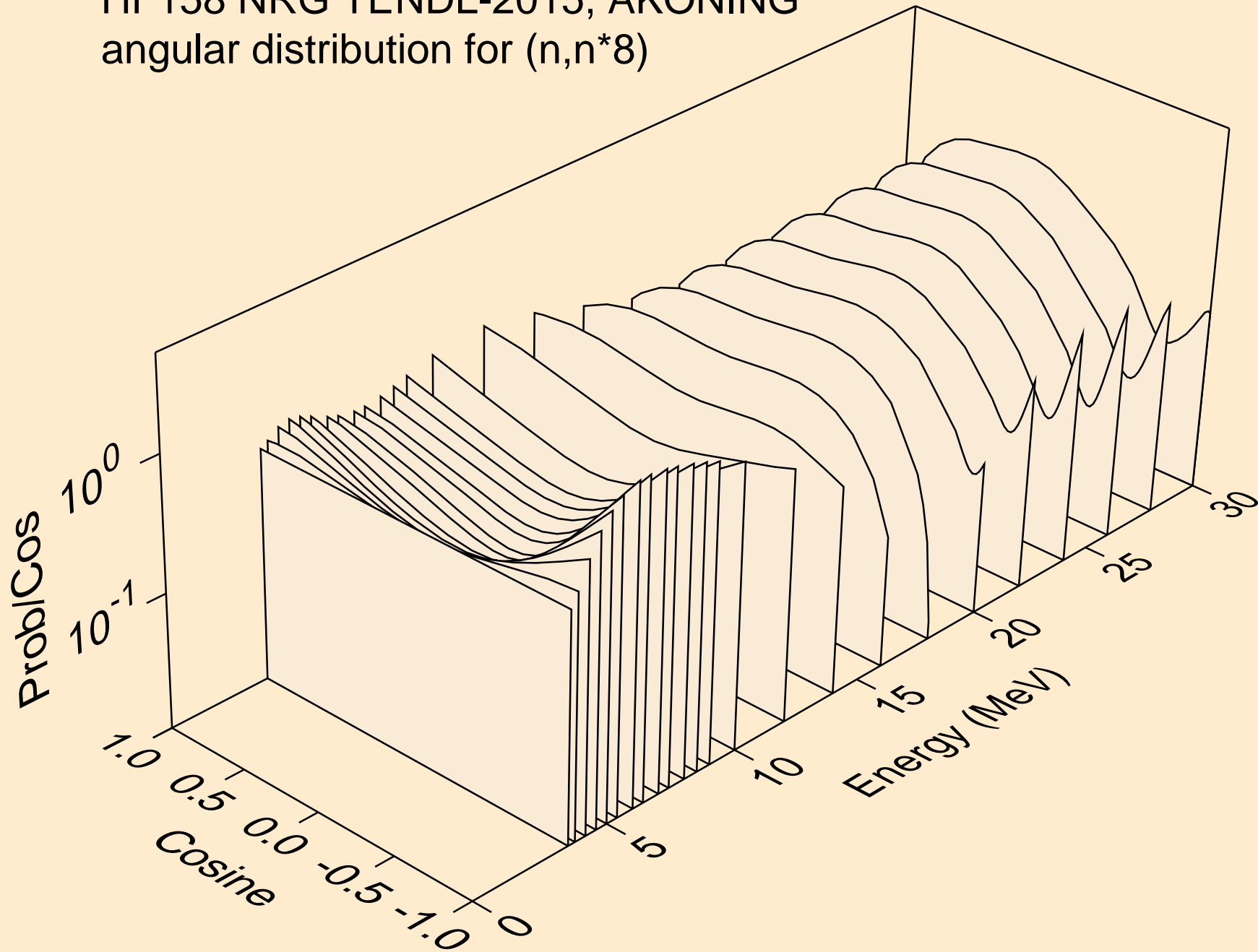
HF158 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*6)



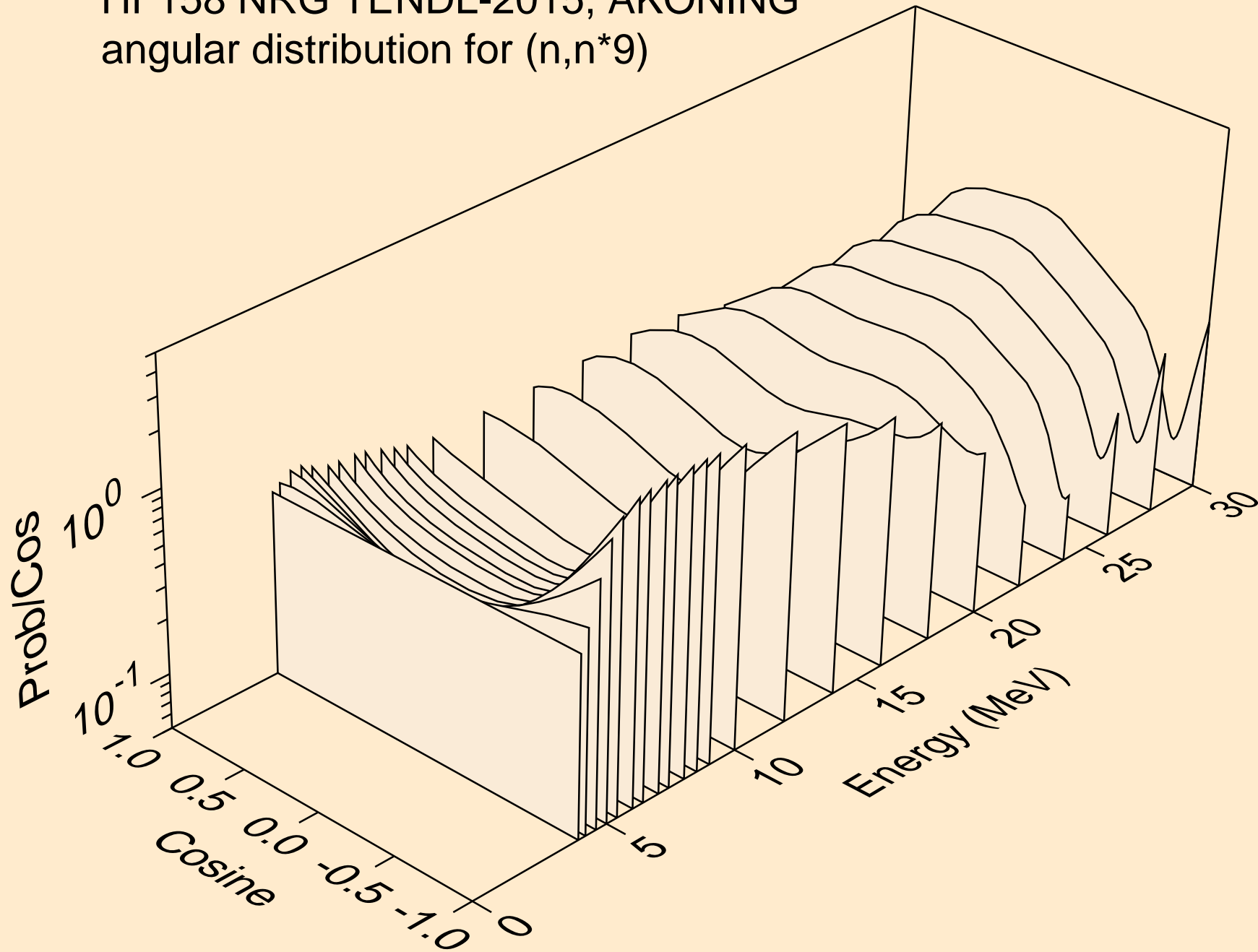
HF158 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*7)



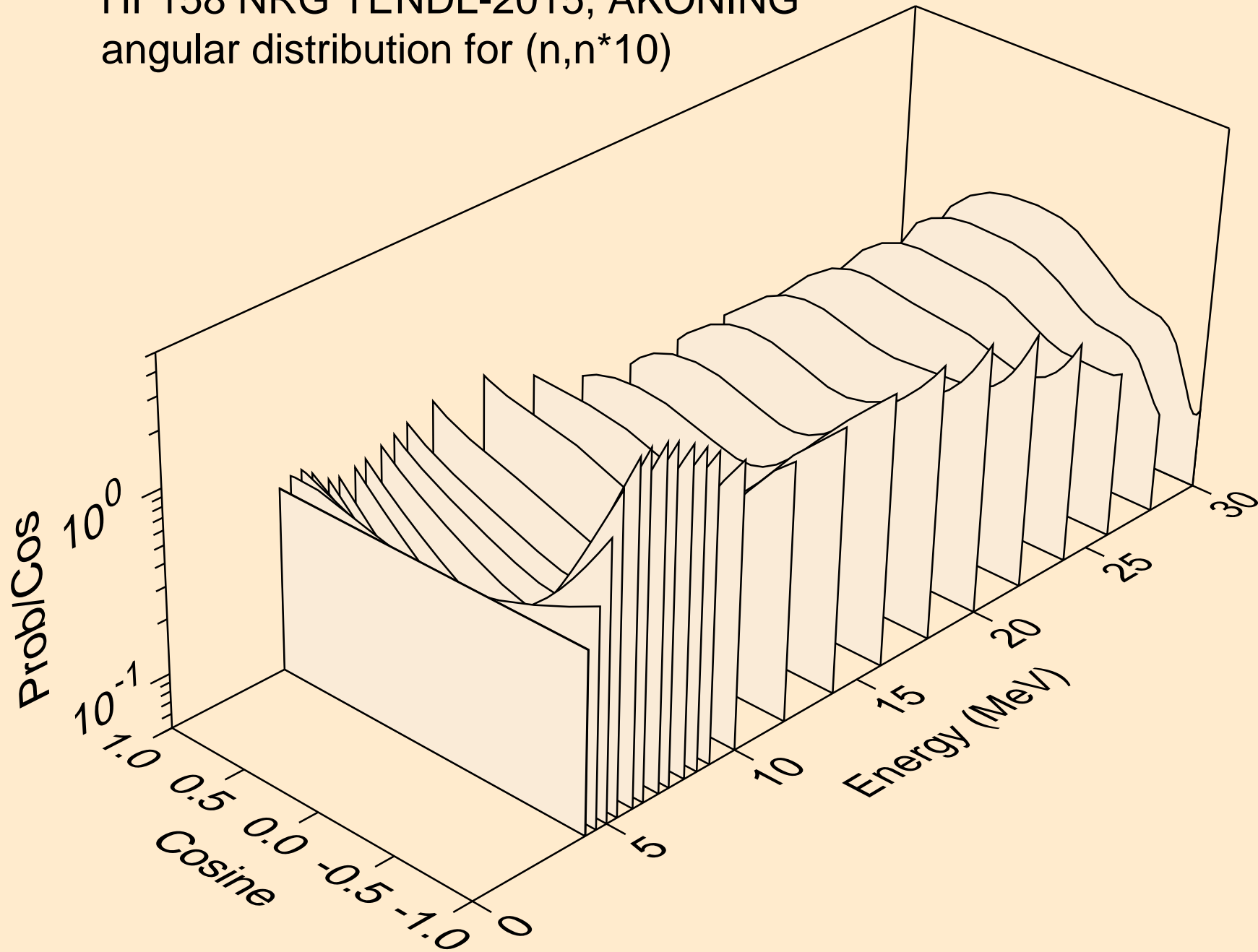
HF158 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*8)



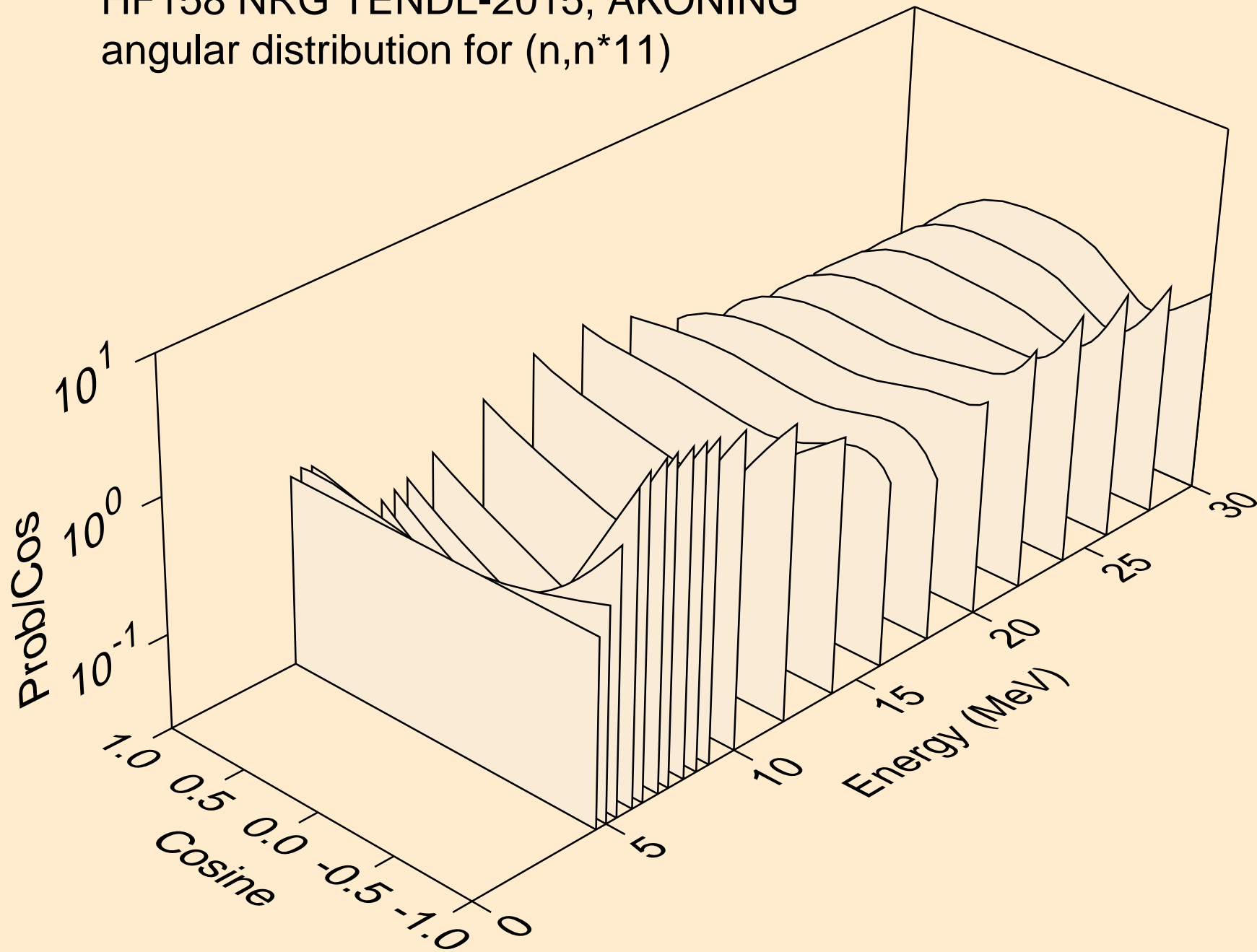
HF158 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*9)



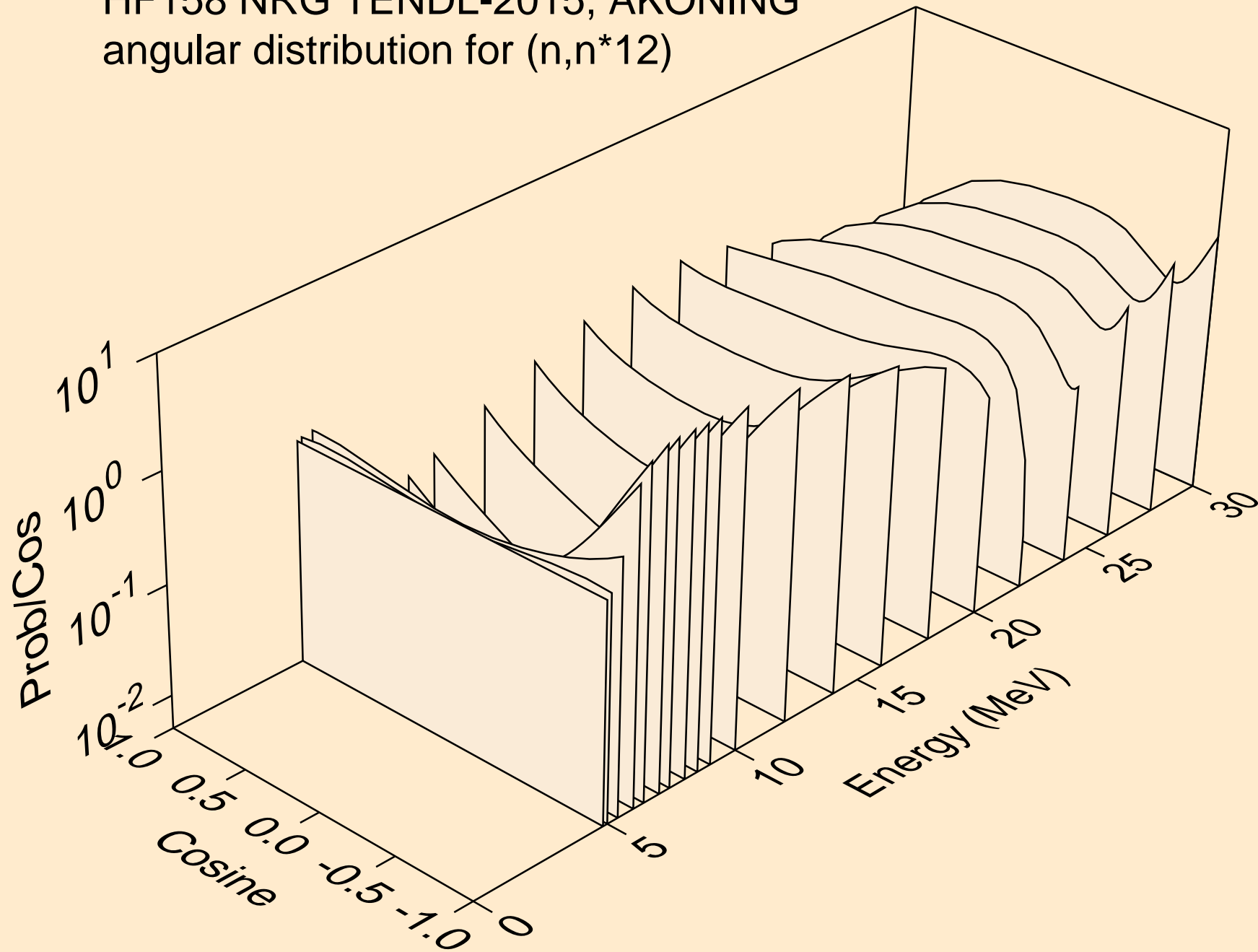
HF158 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*10)



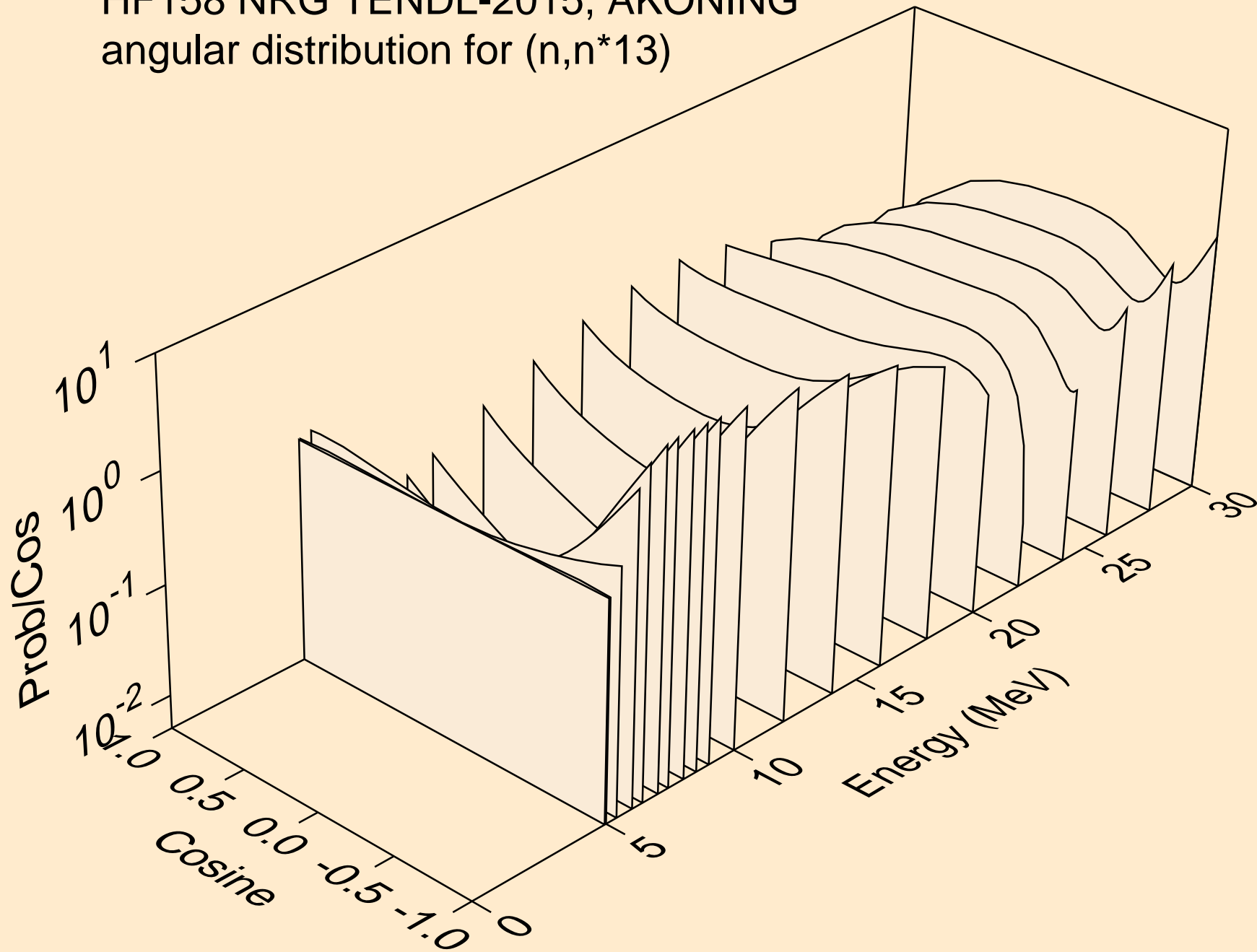
HF158 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*11)



HF158 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*12)

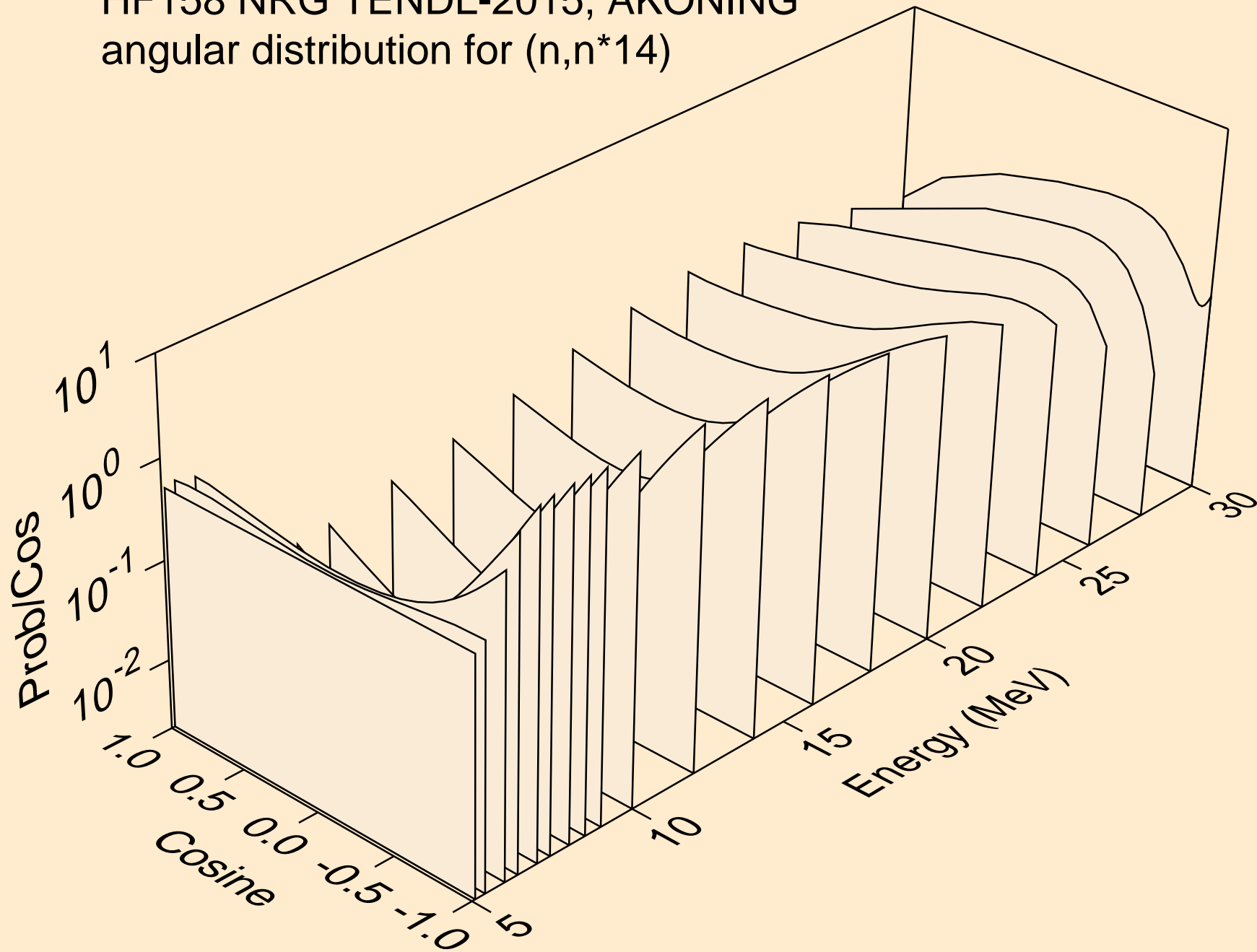


HF158 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*13)

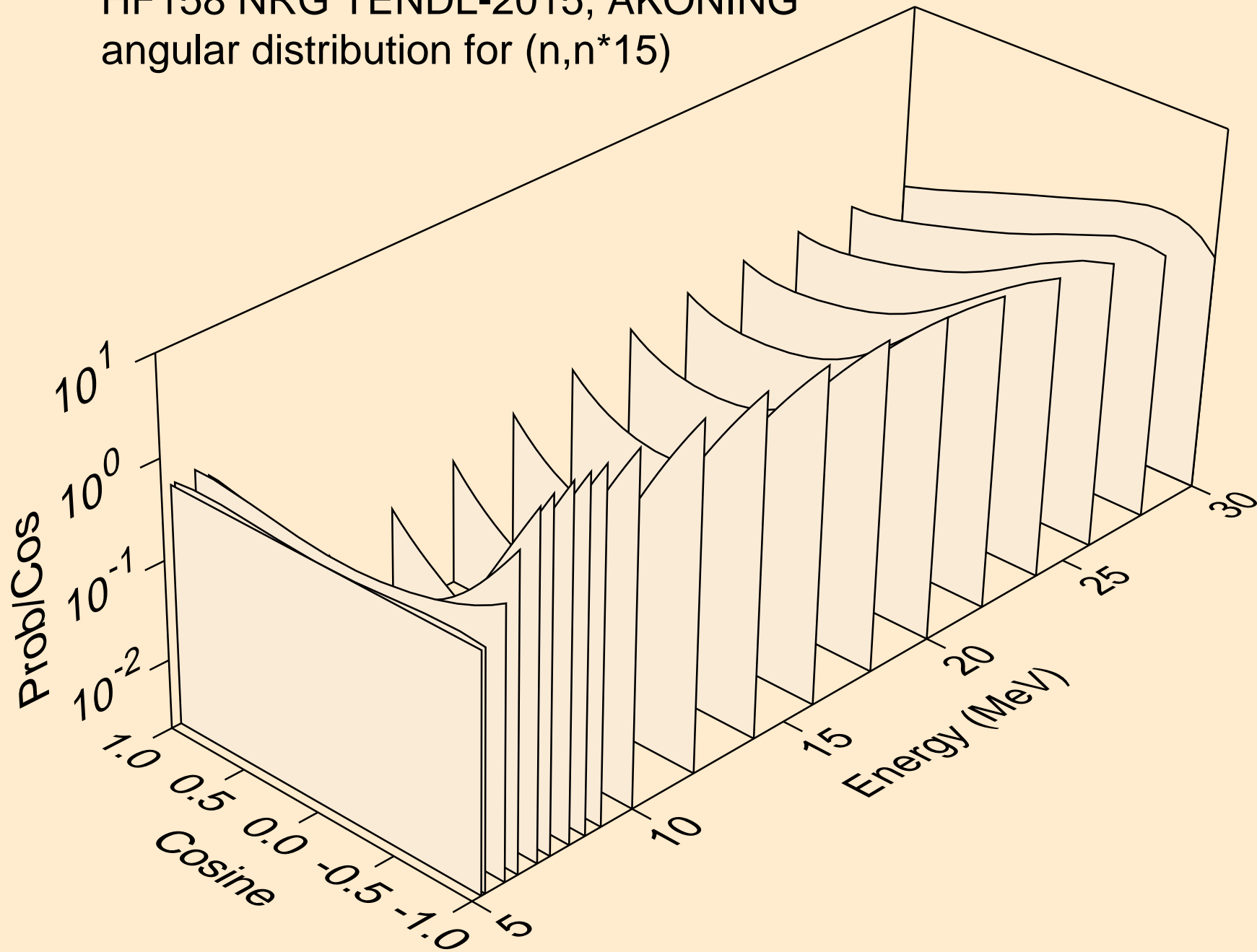




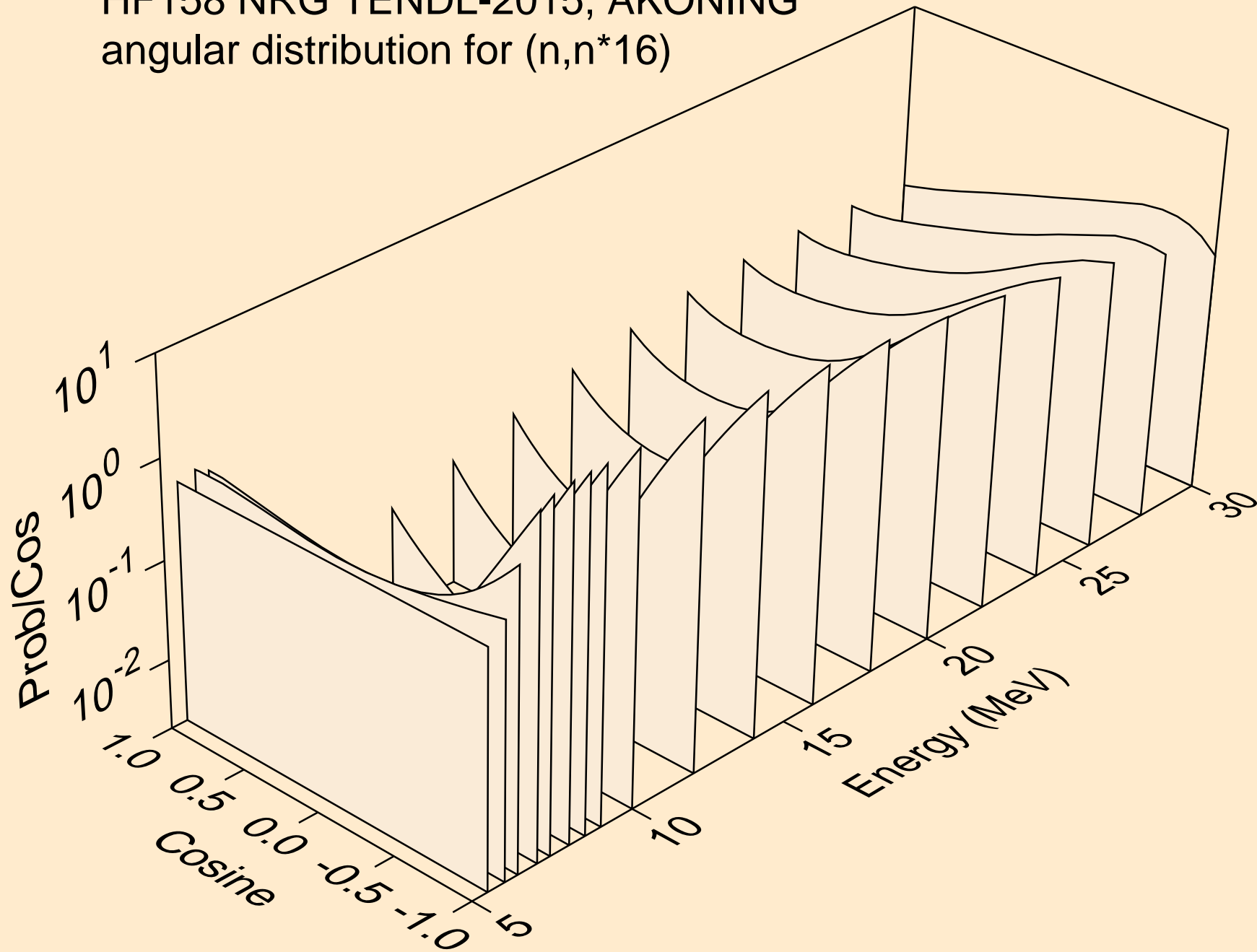
HF158 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*14)



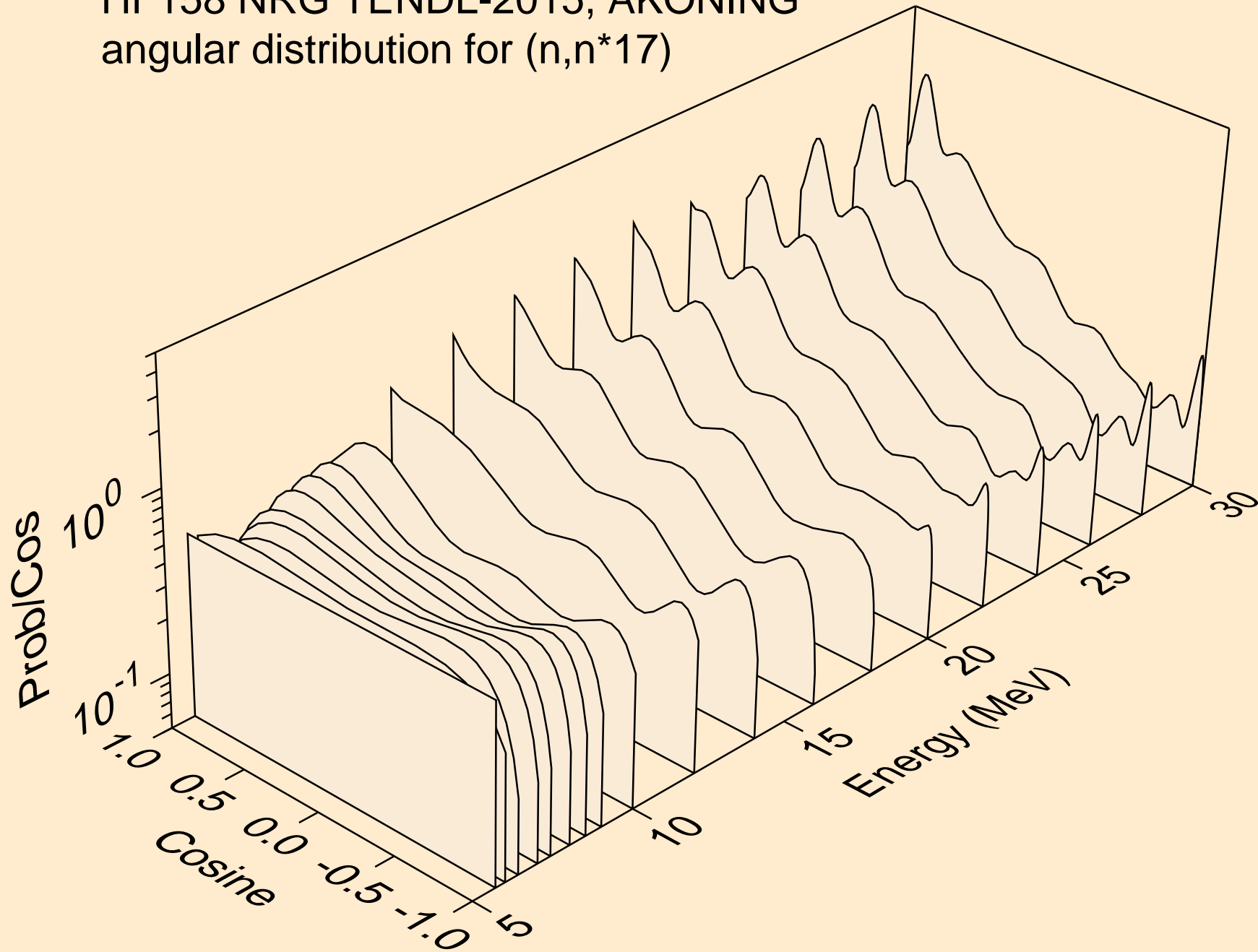
HF158 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*15)



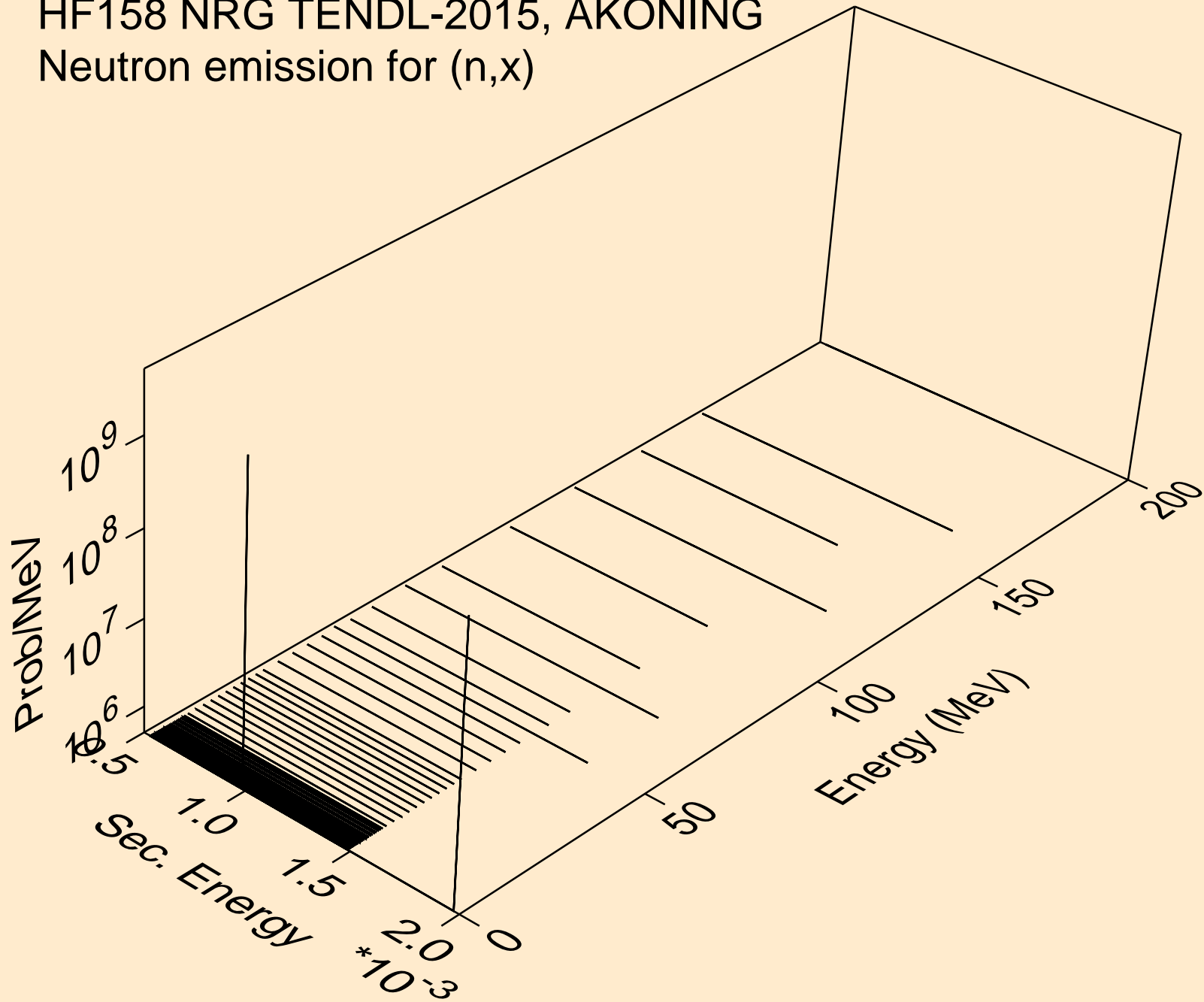
HF158 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*16)



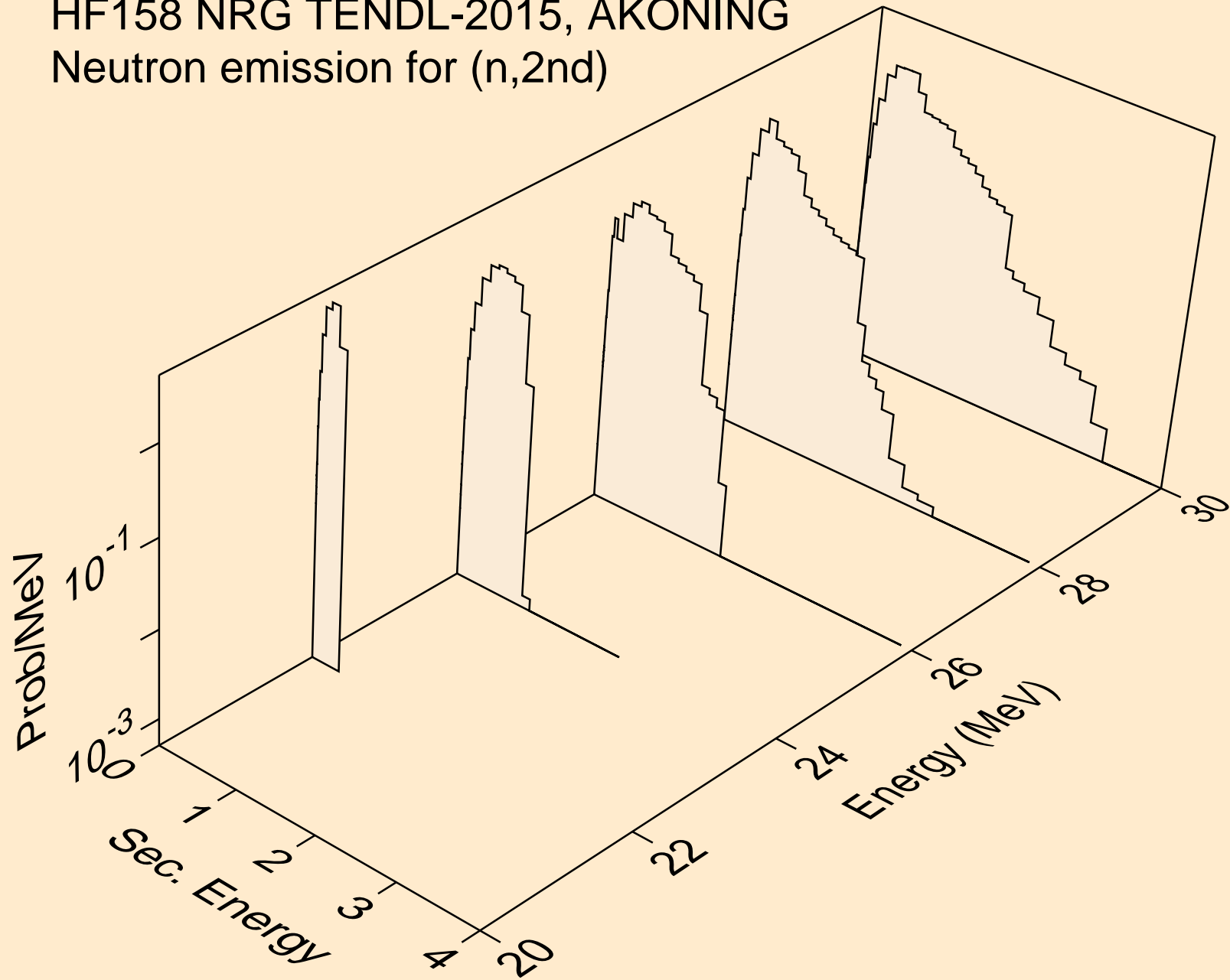
HF158 NRG TENDL-2015, AKONING  
angular distribution for (n,n\*17)



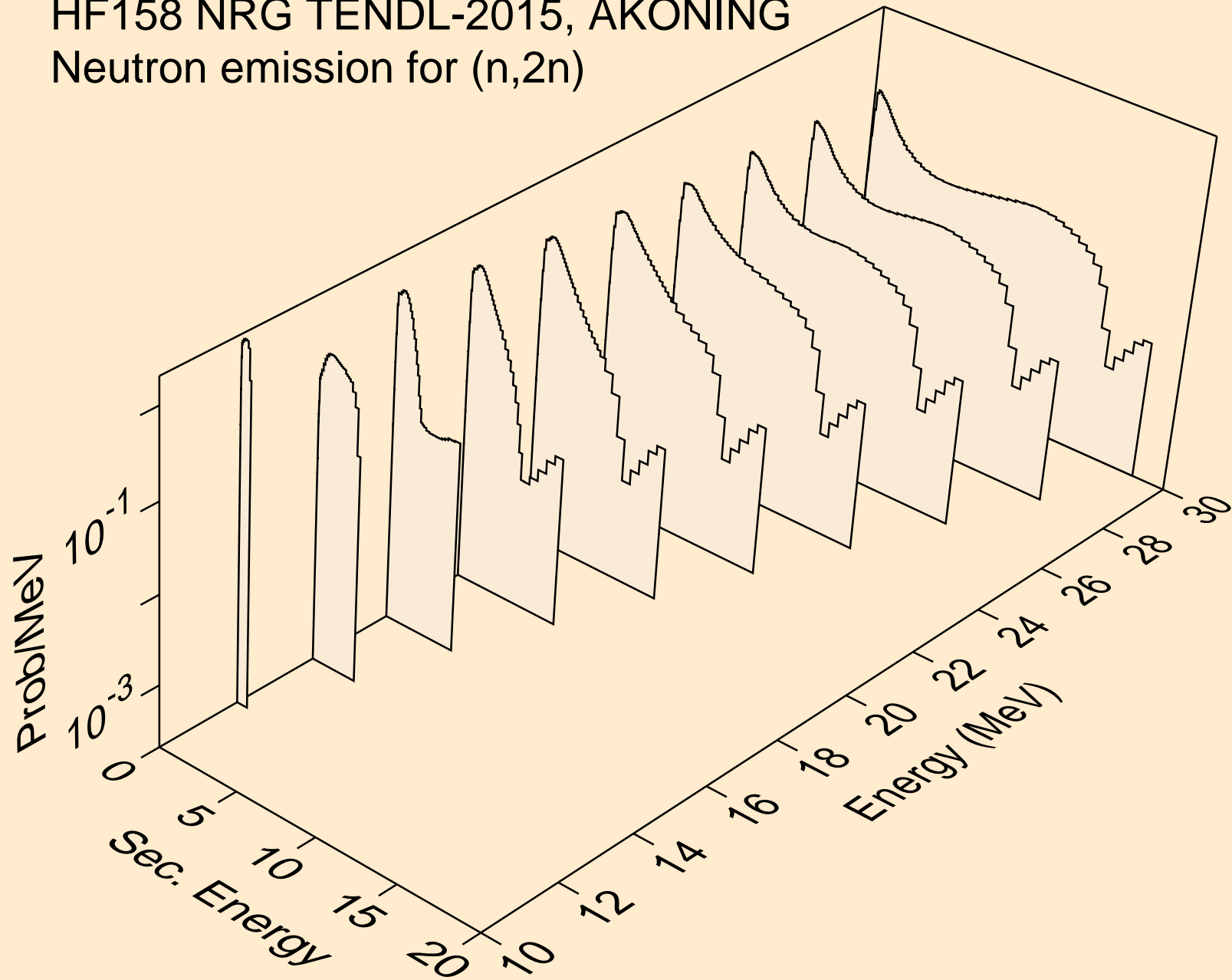
HF158 NRG TENDL-2015, AKONING  
Neutron emission for (n,x)



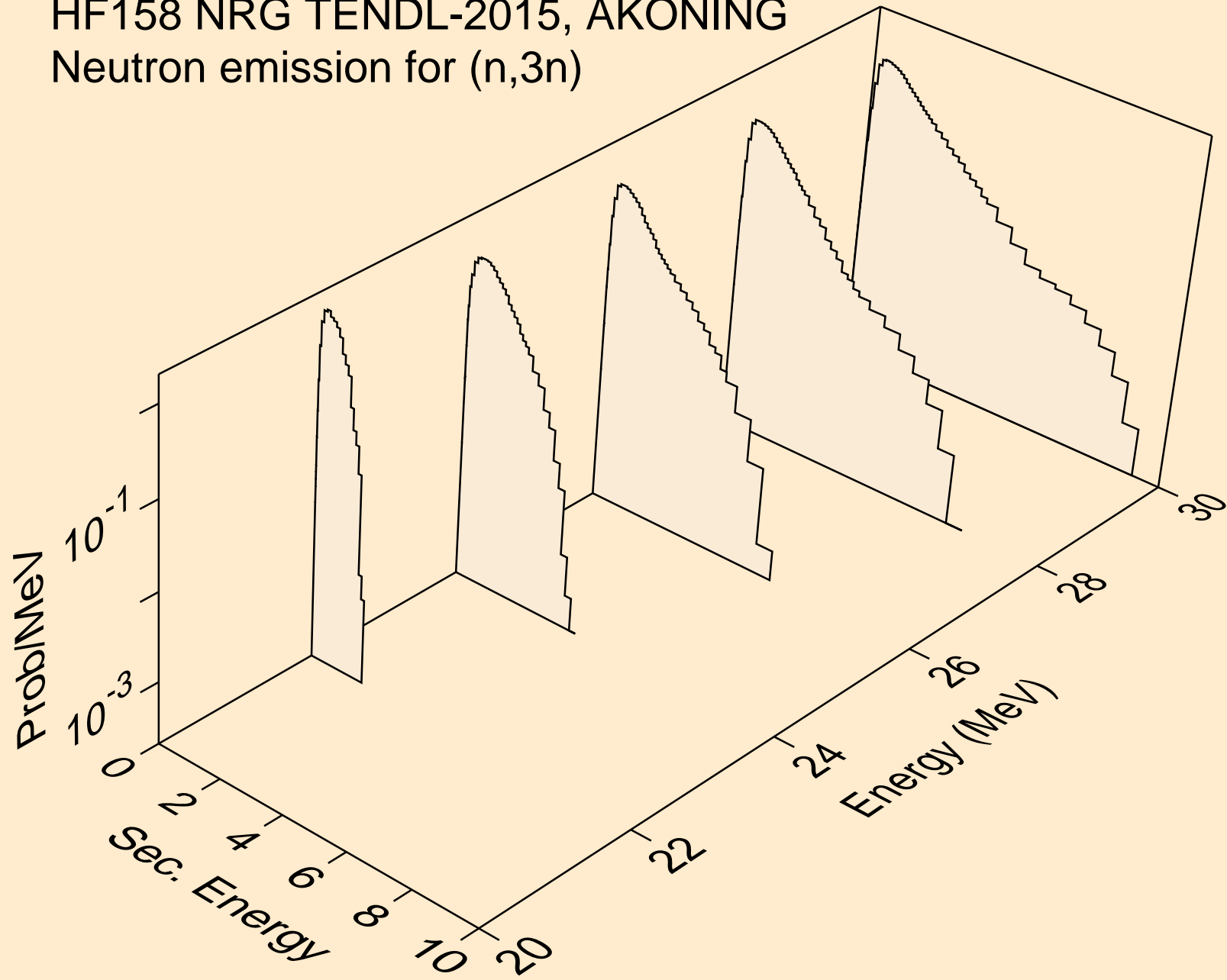
HF158 NRG TENDL-2015, AKONING  
Neutron emission for (n,2nd)



HF158 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)

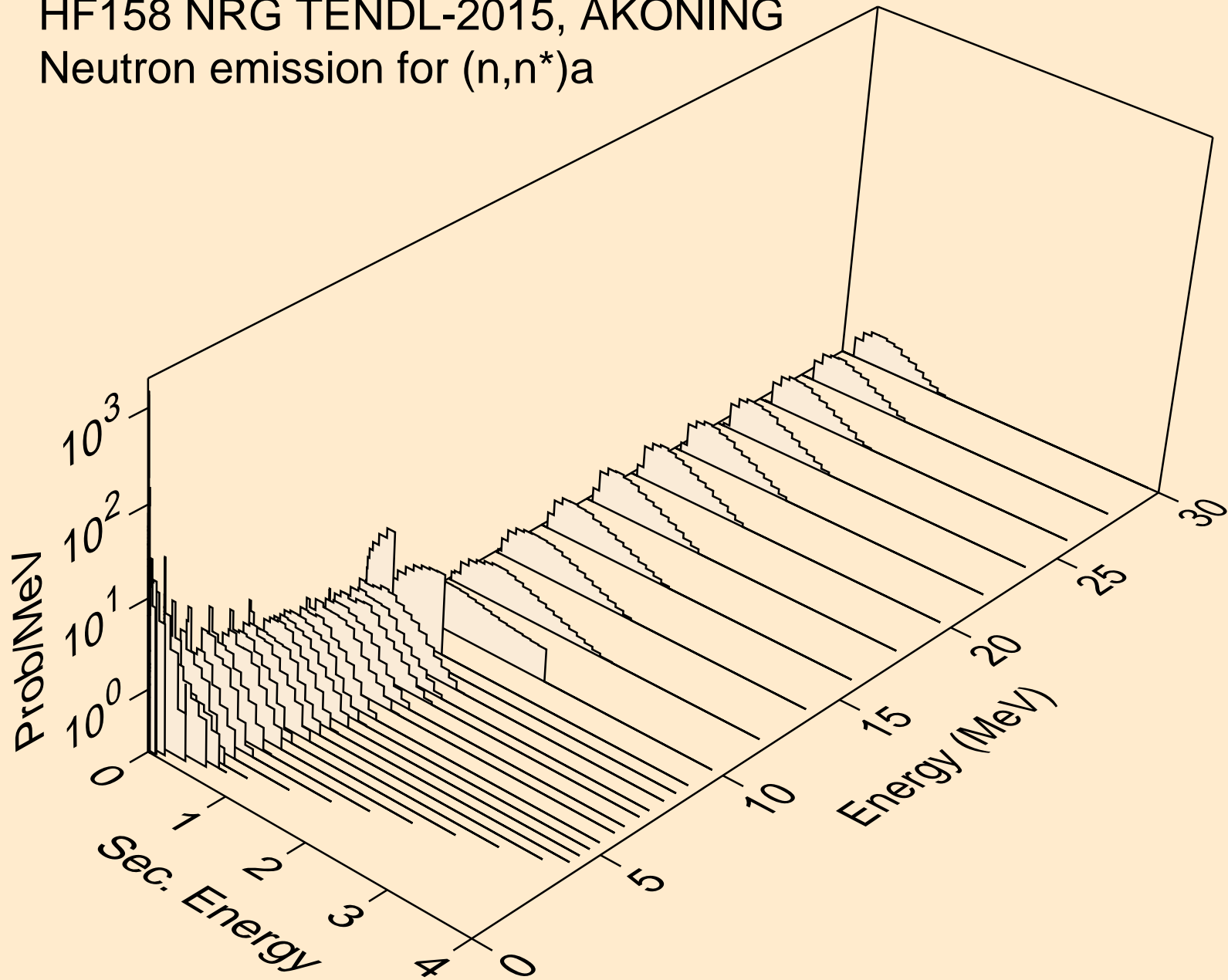


HF158 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)

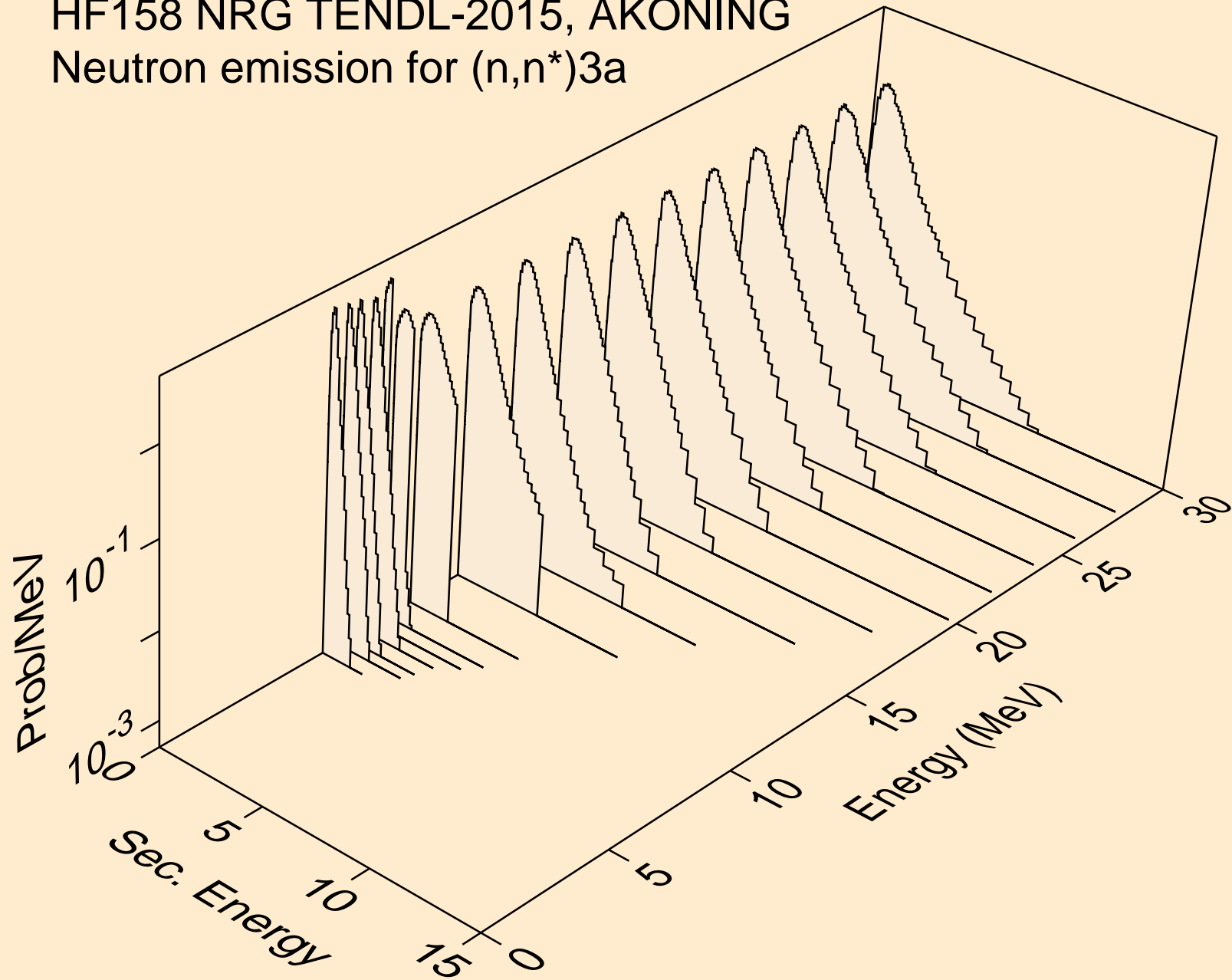




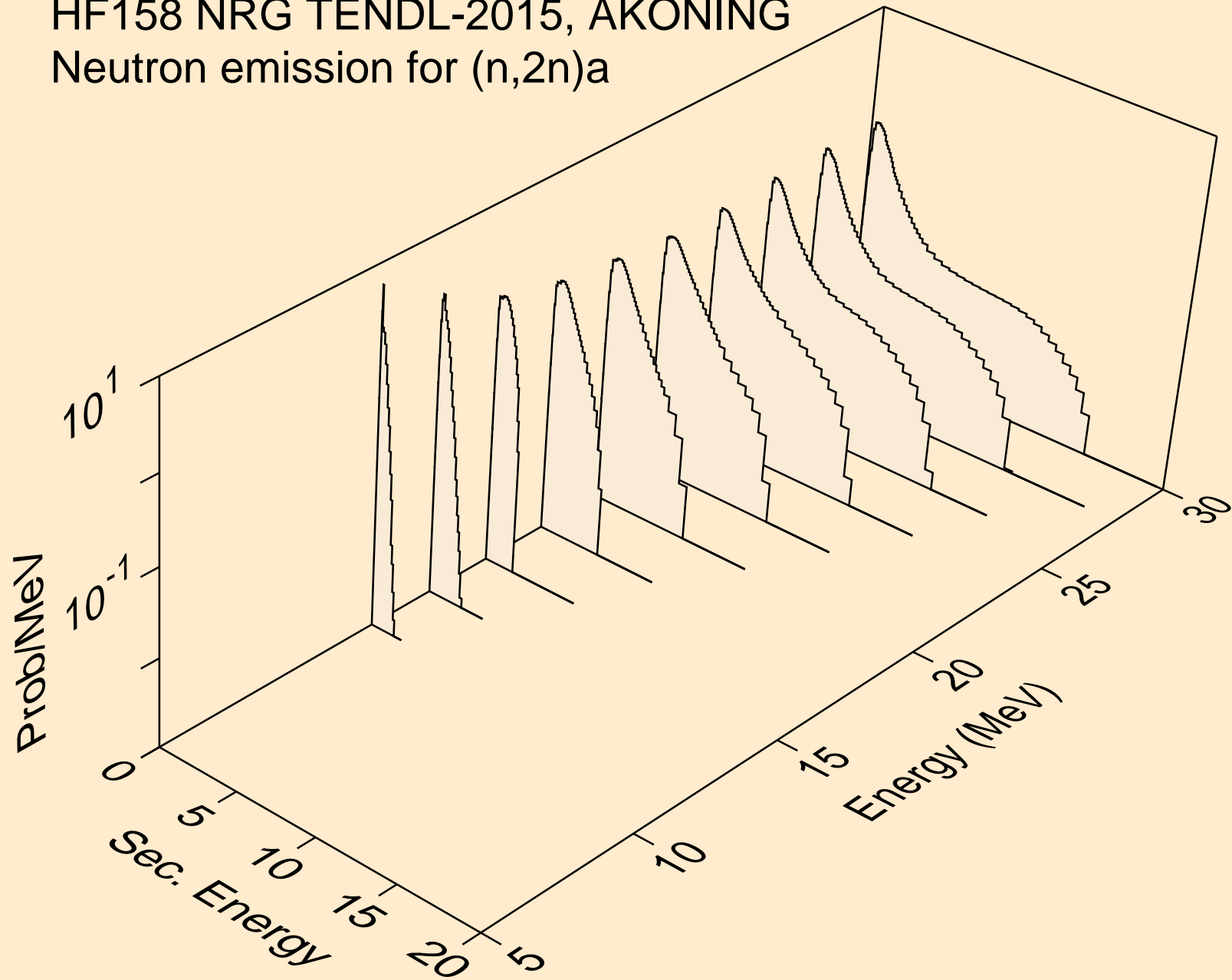
HF158 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)a



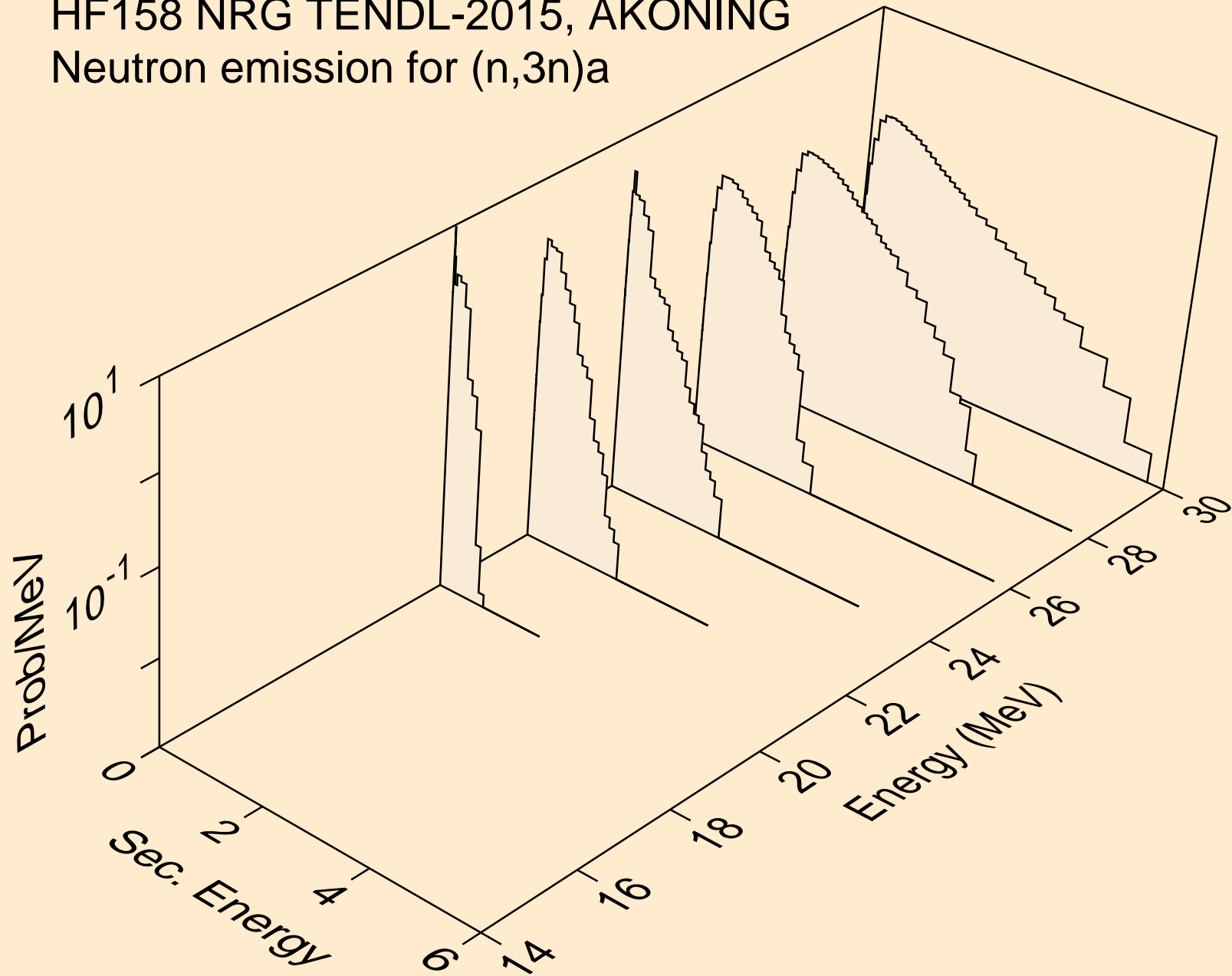
HF158 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)3a



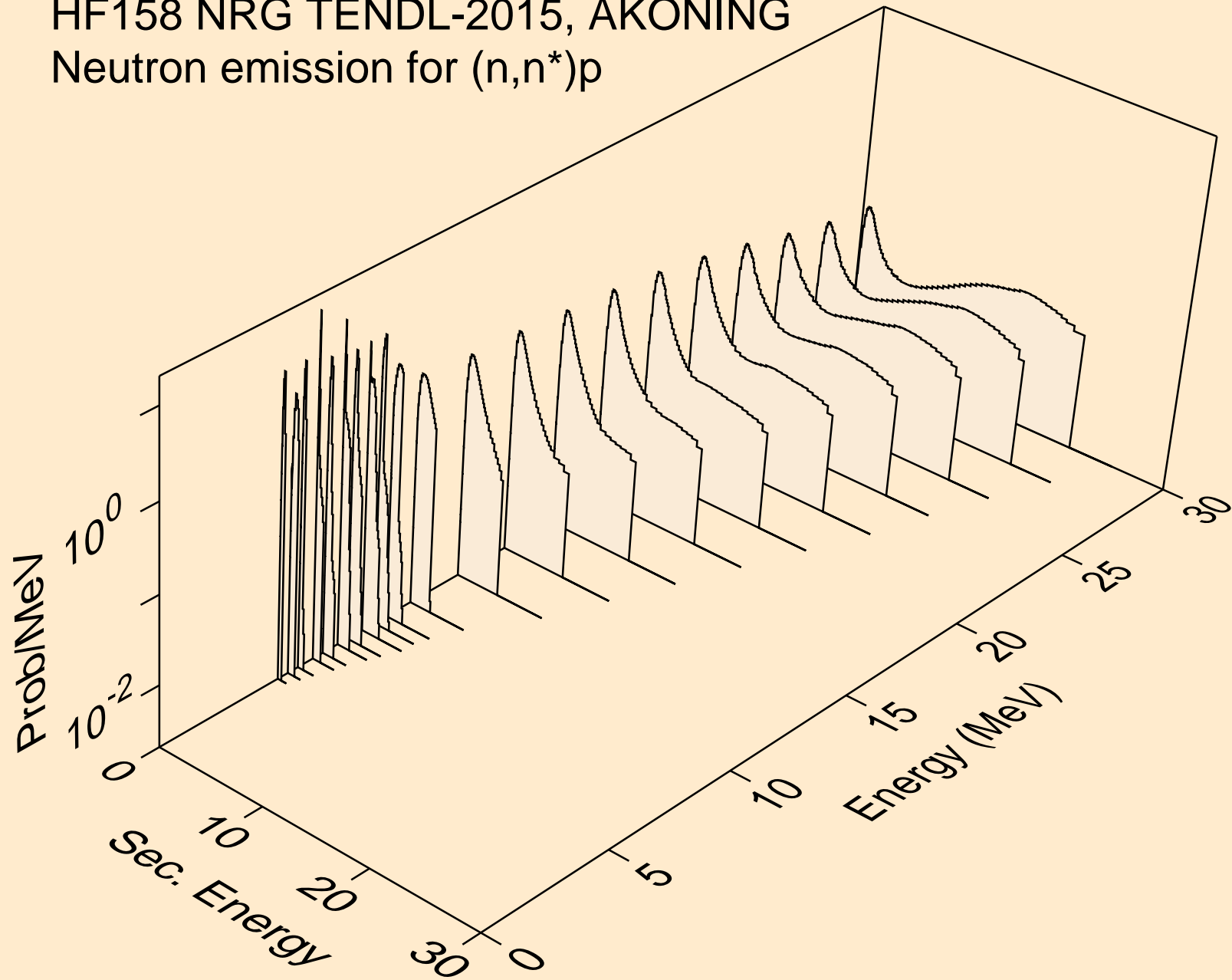
HF158 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)a



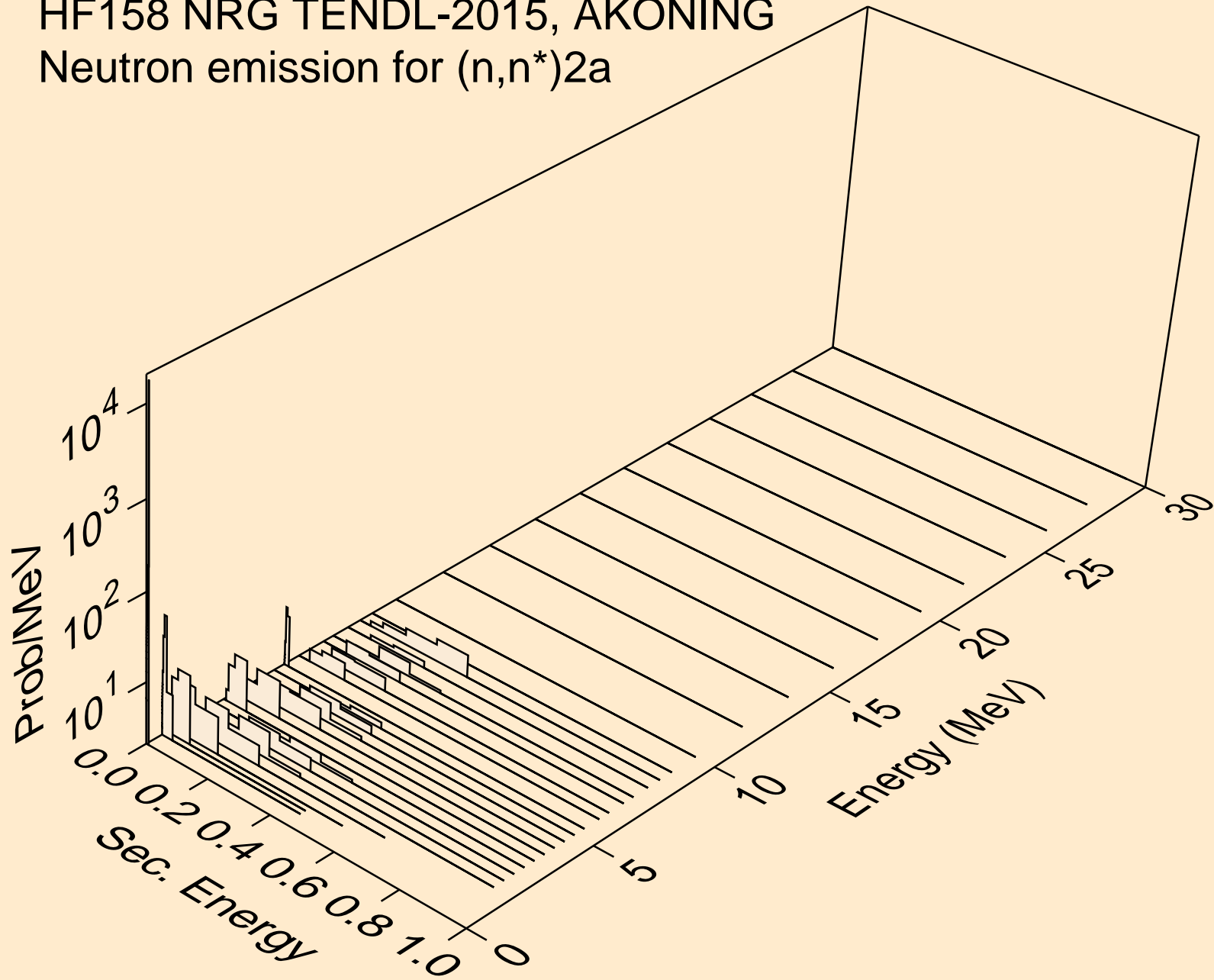
HF158 NRG TENDL-2015, AKONING  
Neutron emission for (n,3n)a



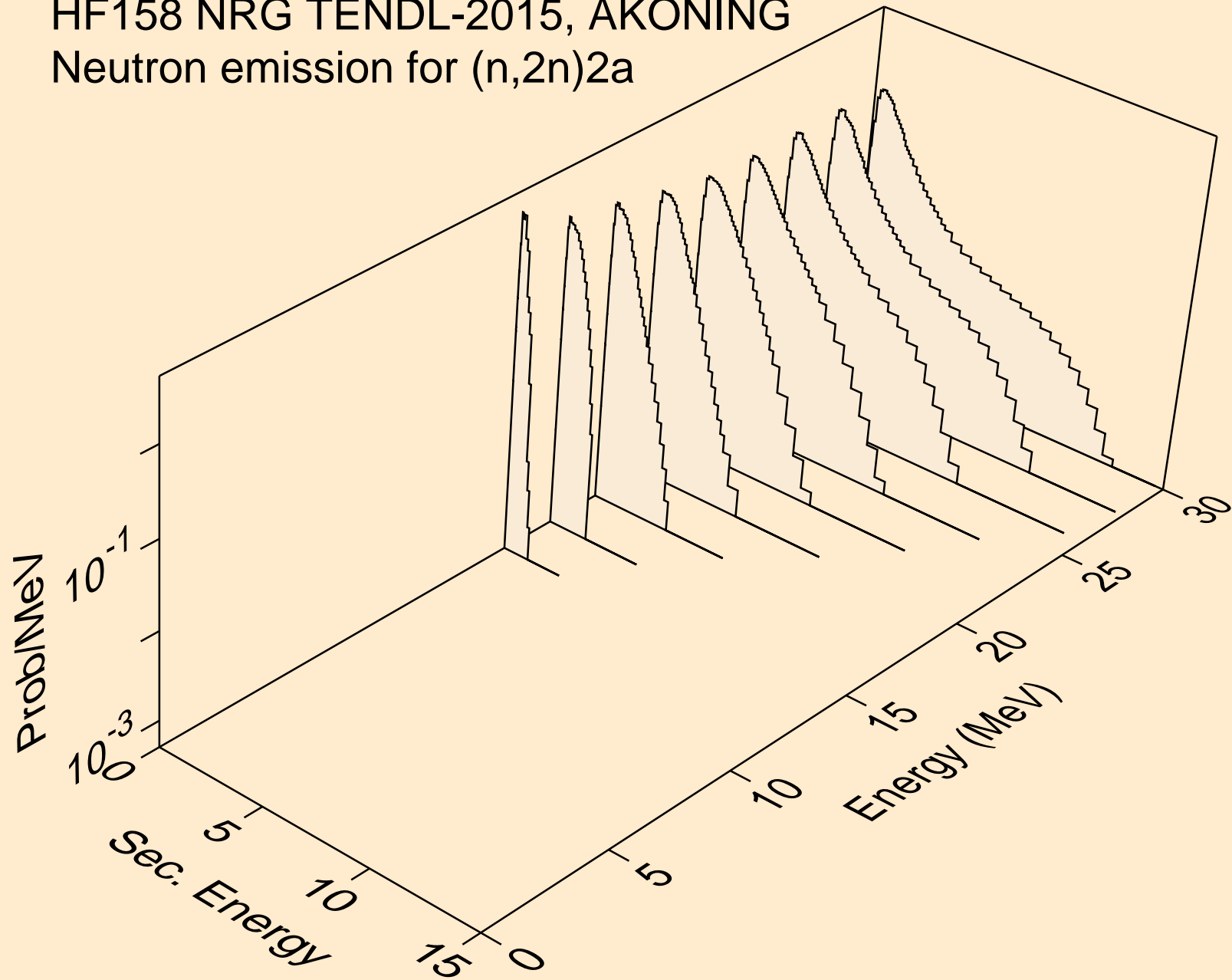
HF158 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)p



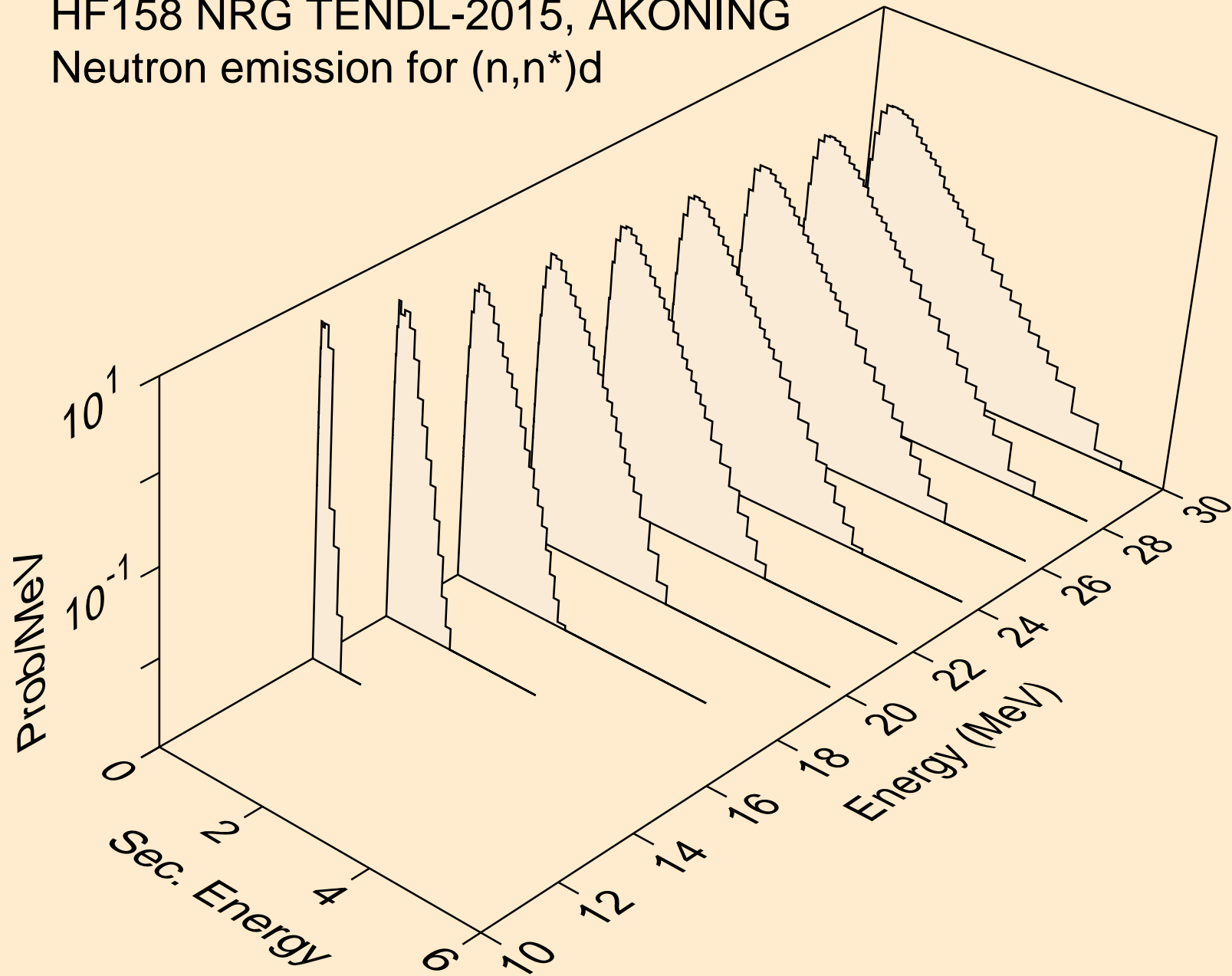
HF158 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)2a



HF158 NRG TENDL-2015, AKONING  
Neutron emission for (n,2n)<sub>2a</sub>

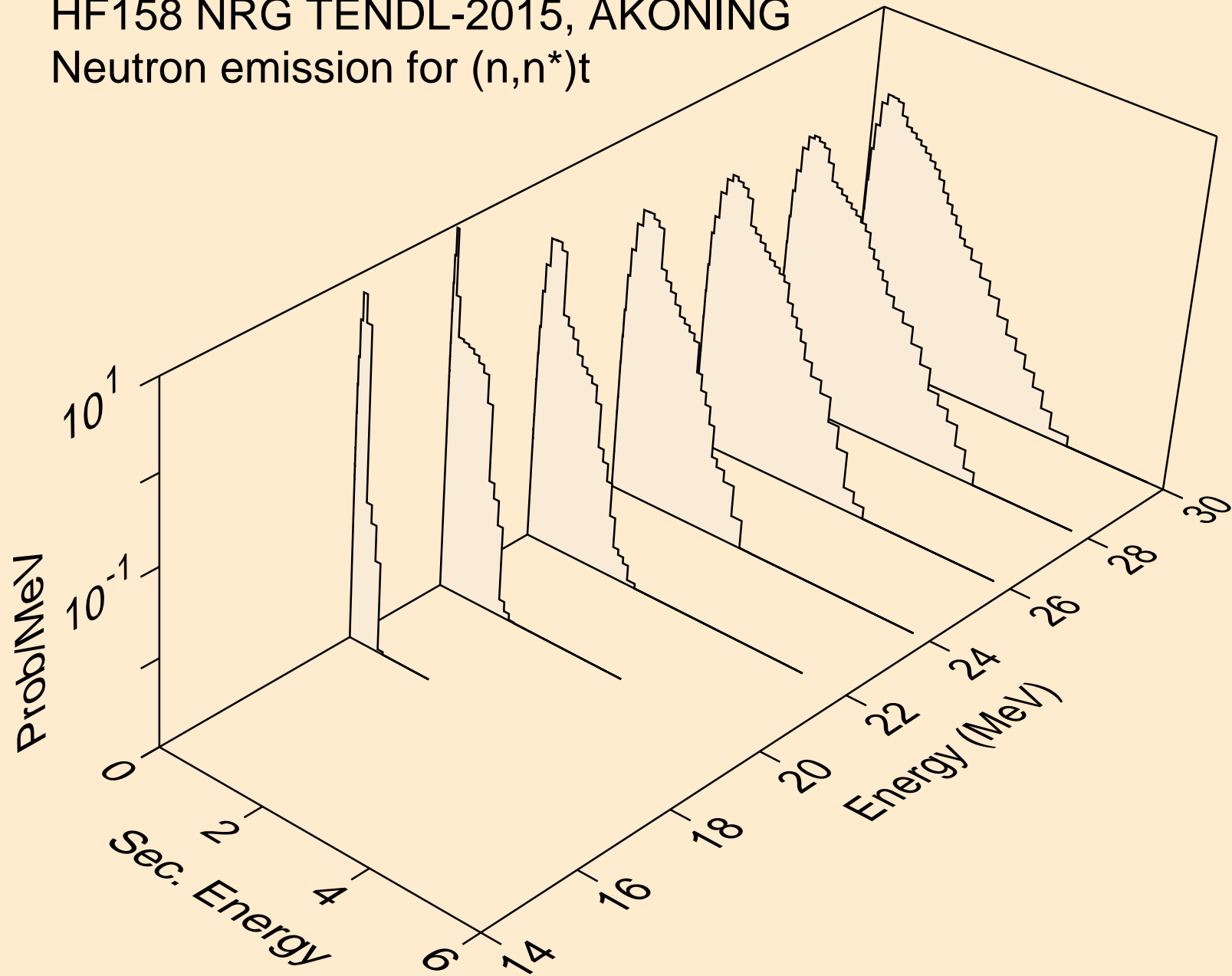


HF158 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d

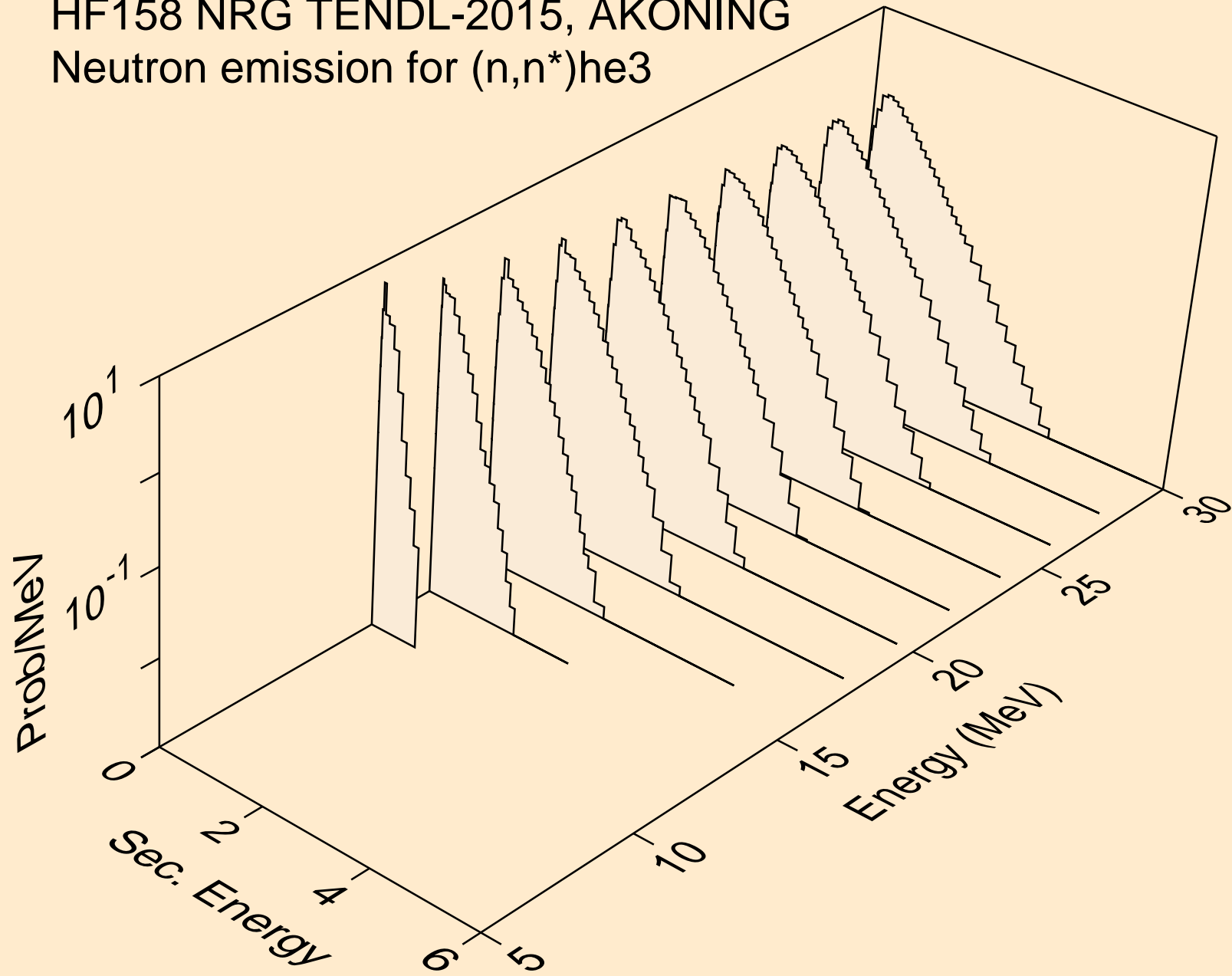




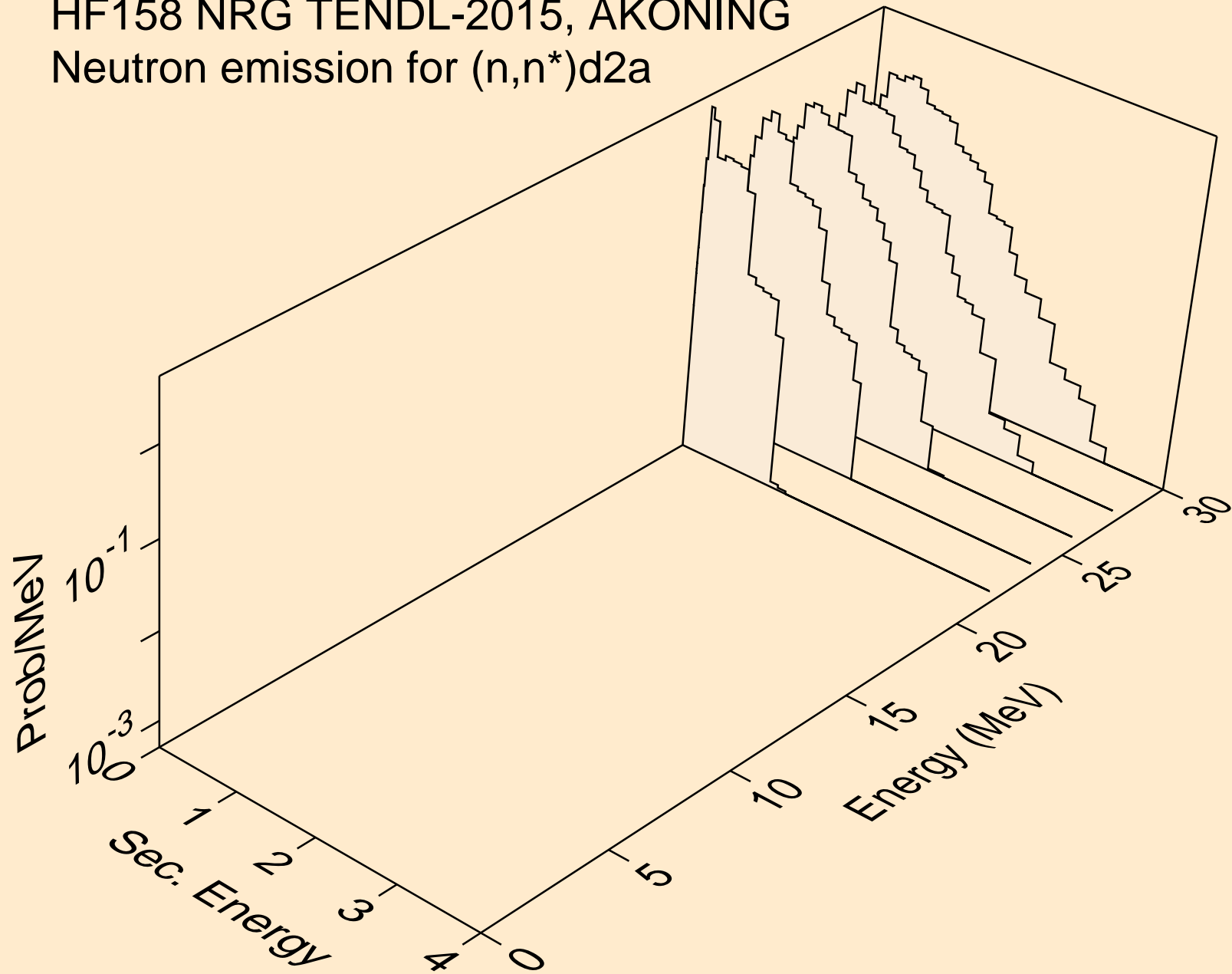
HF158 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)t



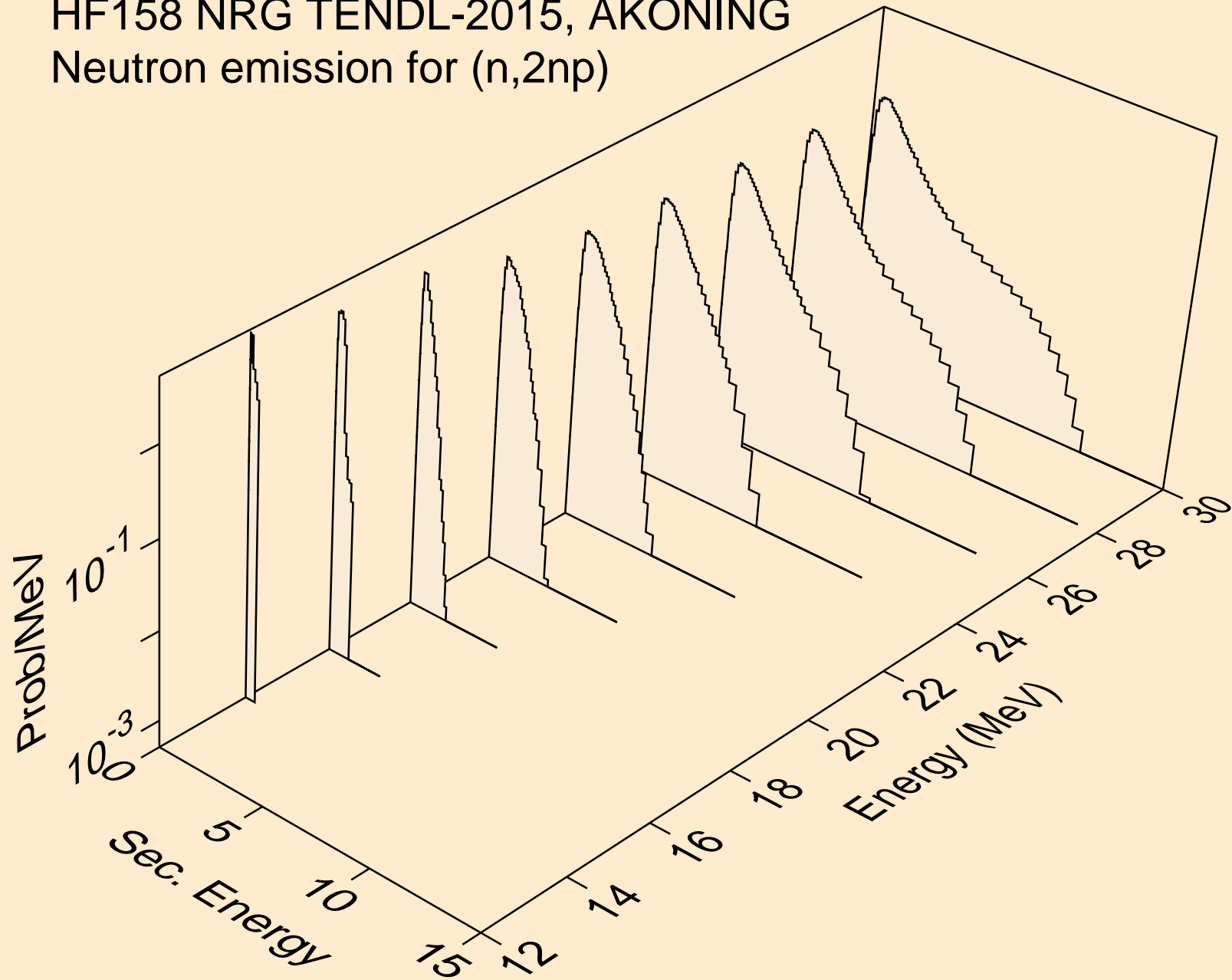
HF158 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)he3



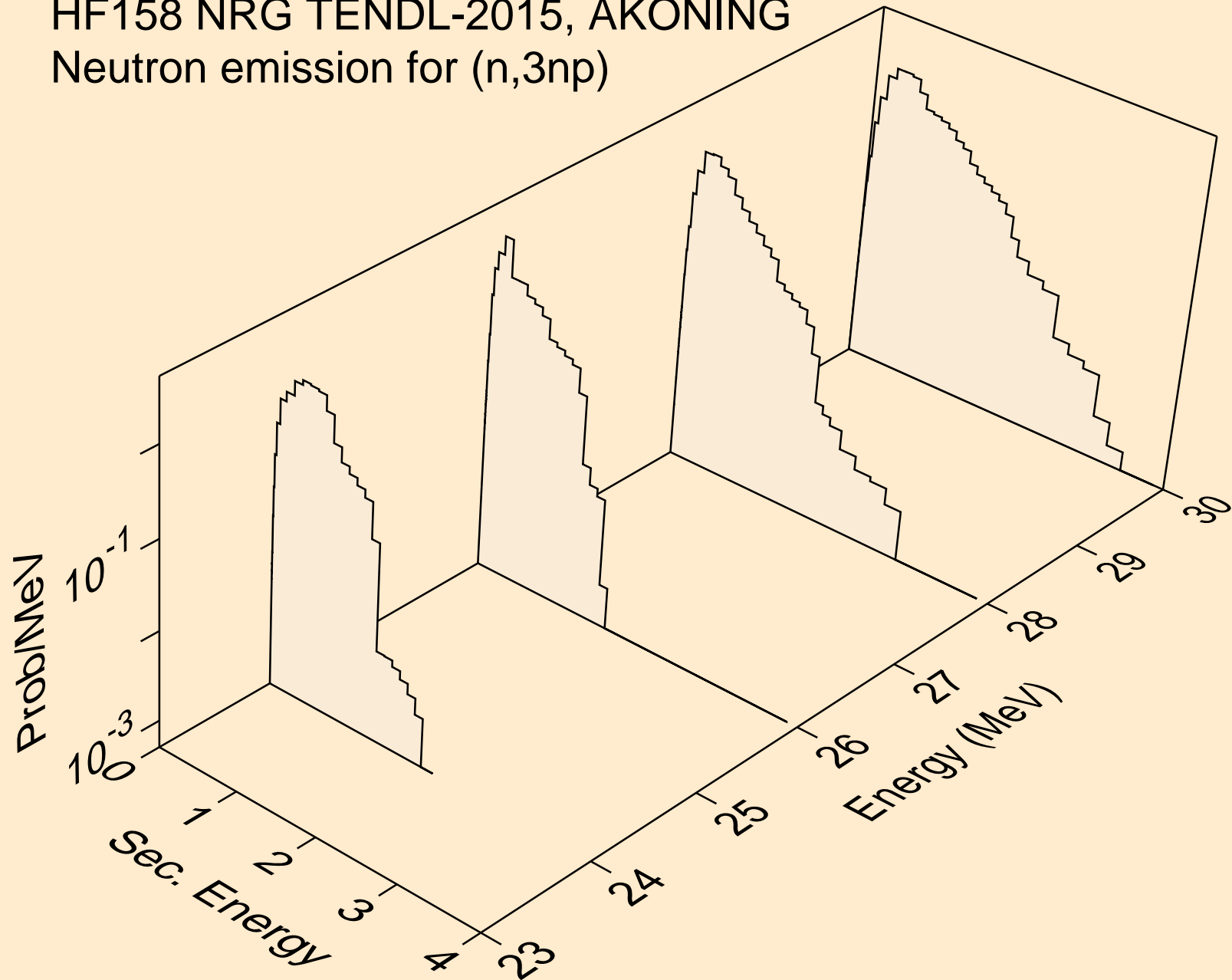
HF158 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*)d2a



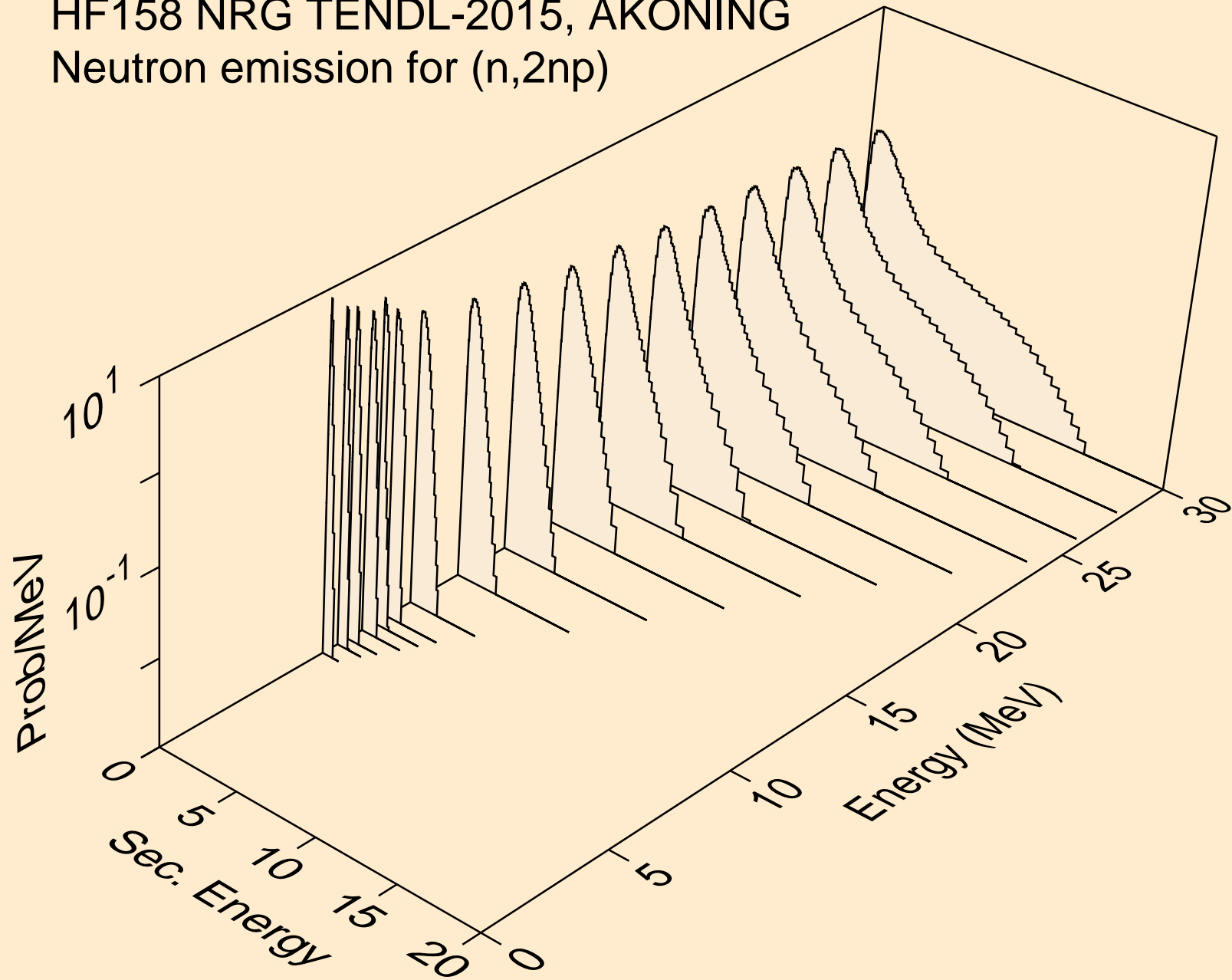
HF158 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



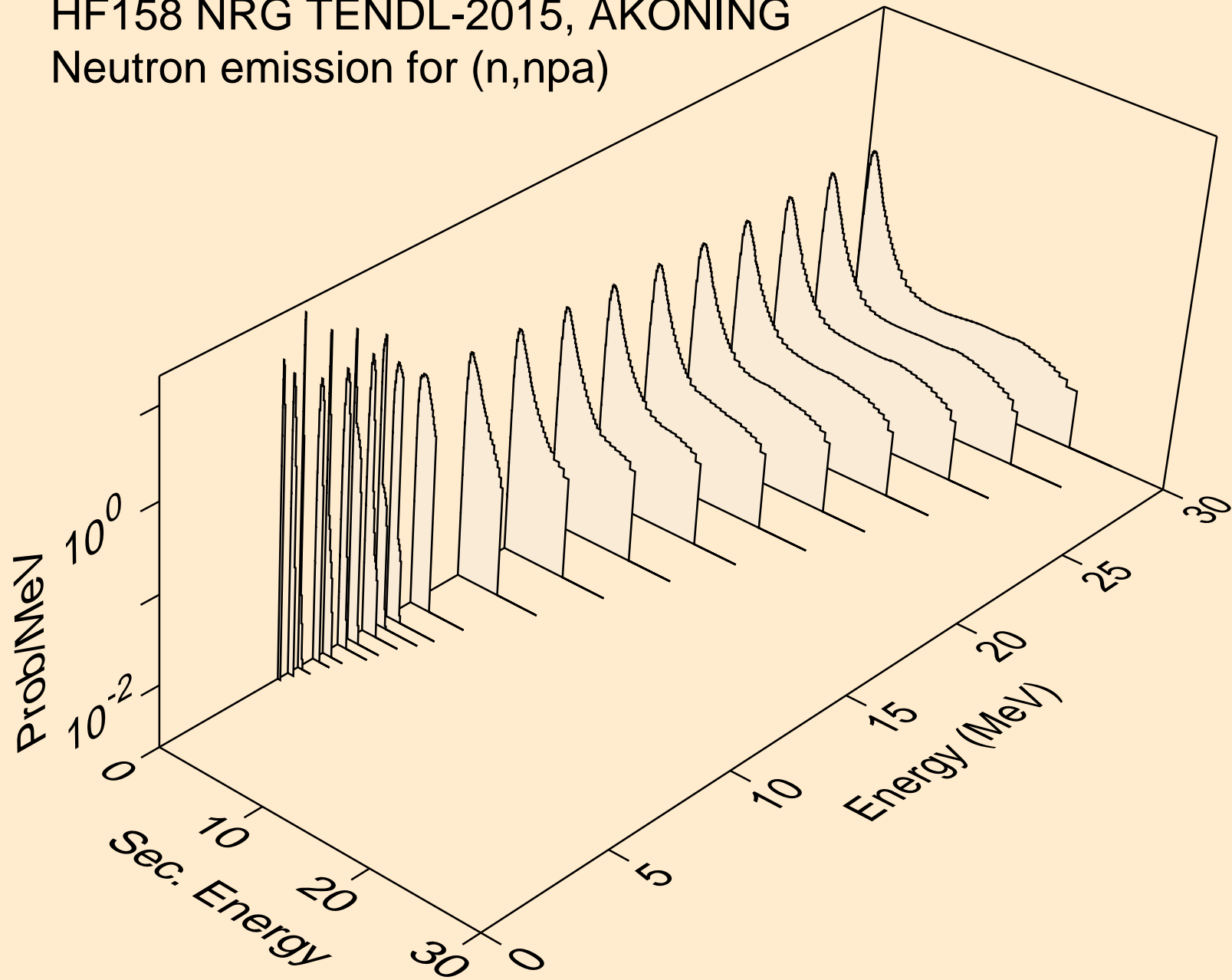
HF158 NRG TENDL-2015, AKONING  
Neutron emission for (n,3np)



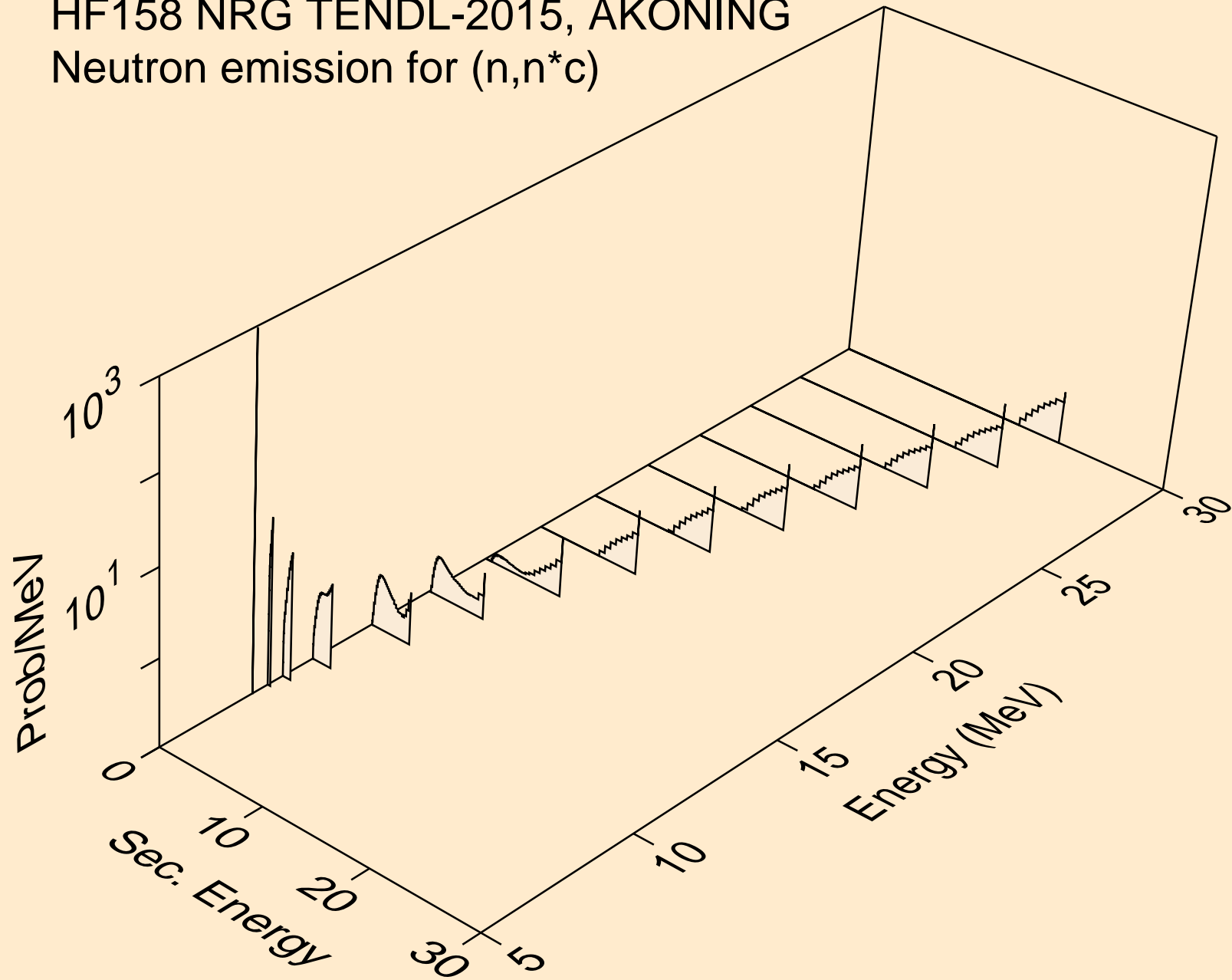
HF158 NRG TENDL-2015, AKONING  
Neutron emission for (n,2np)



HF158 NRG TENDL-2015, AKONING  
Neutron emission for (n,npa)

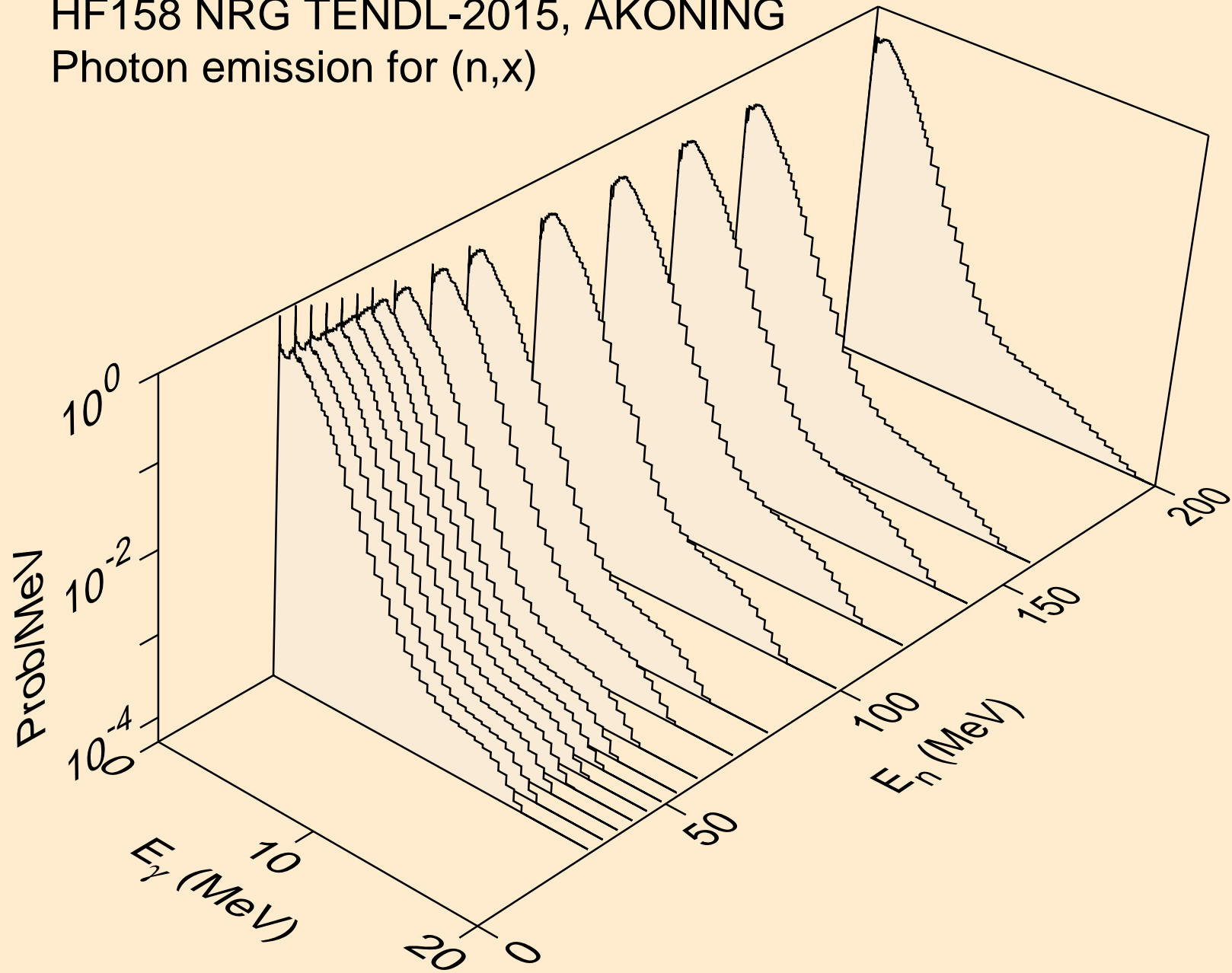


HF158 NRG TENDL-2015, AKONING  
Neutron emission for (n,n\*c)

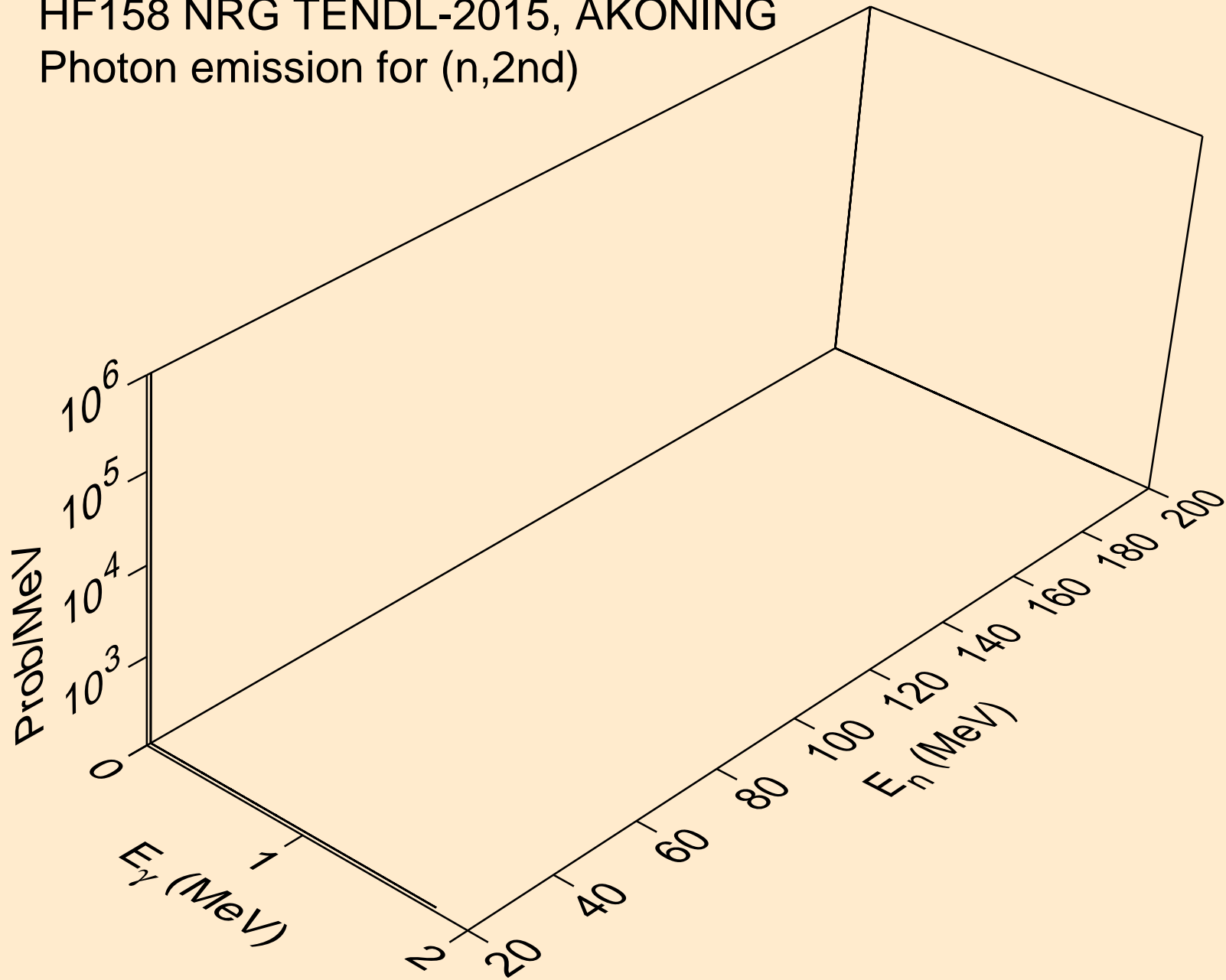




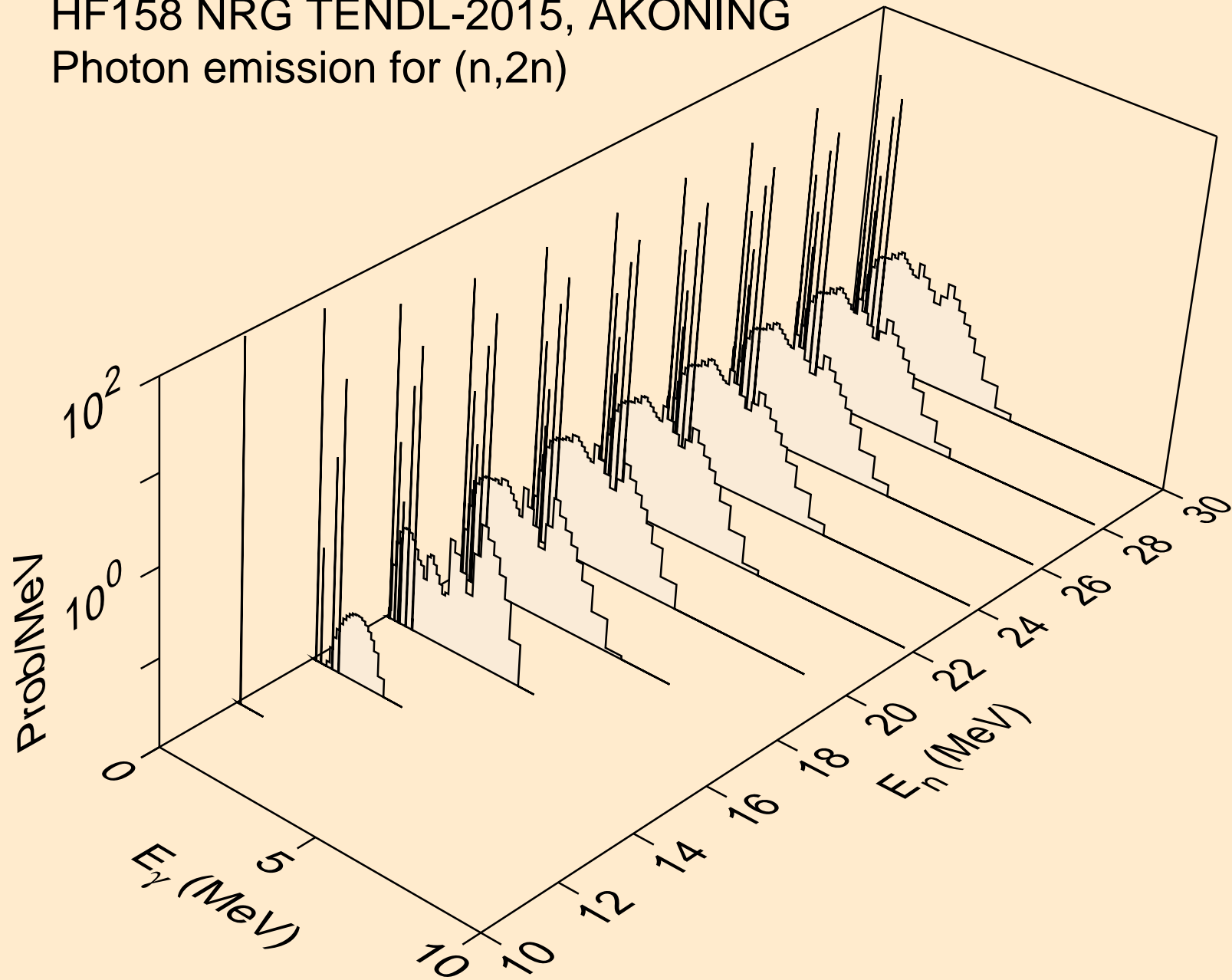
HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,x)



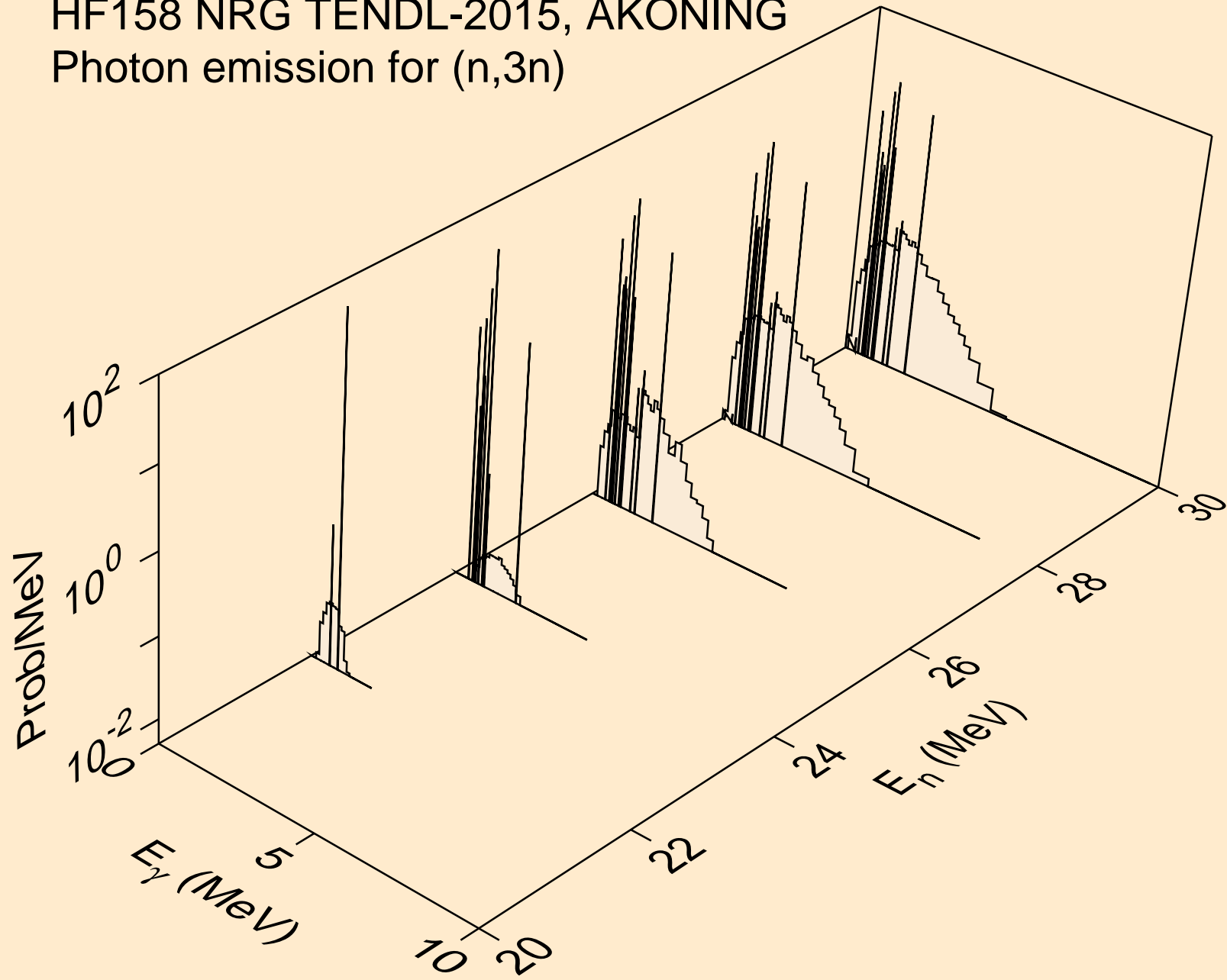
HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,2nd)



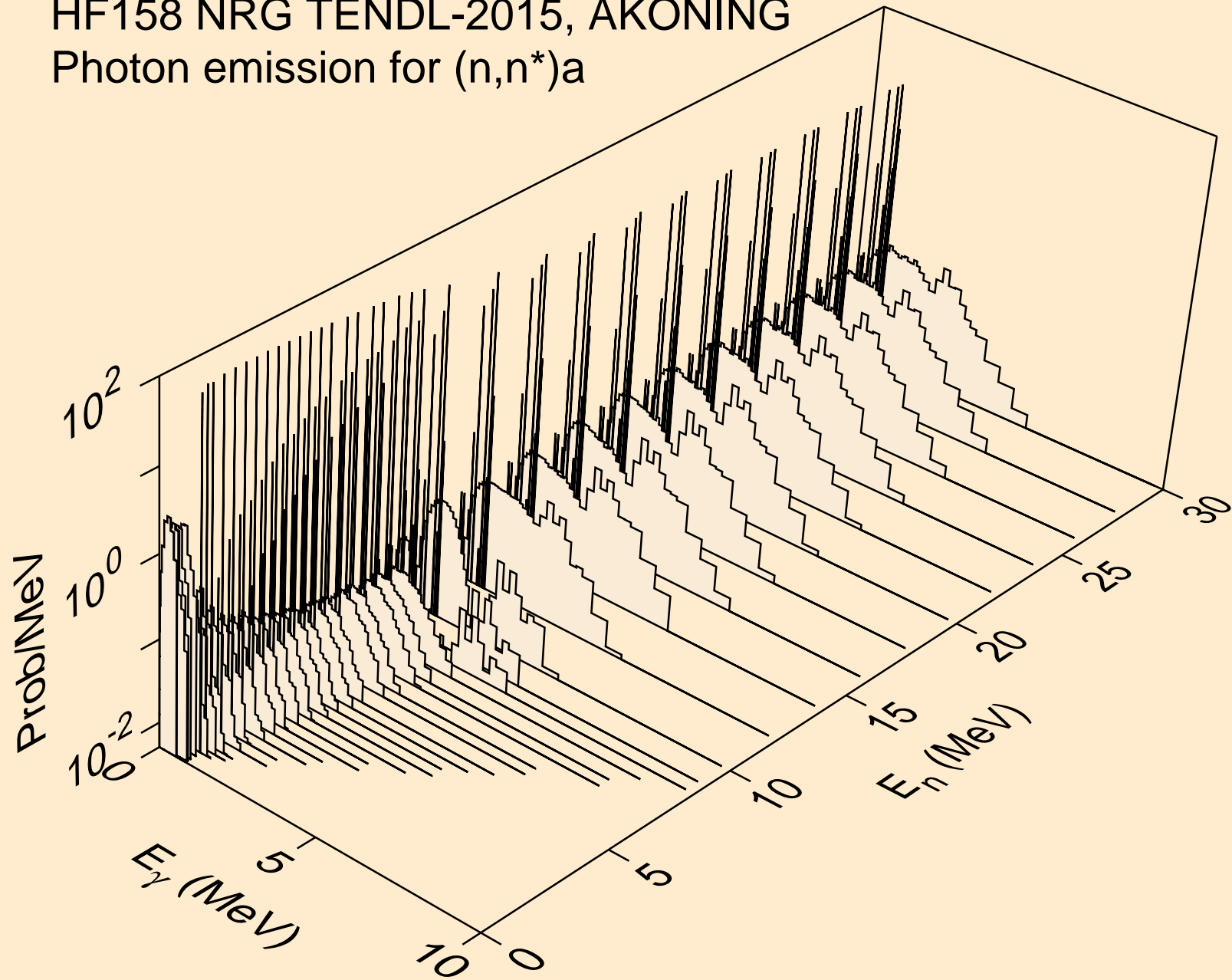
HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)



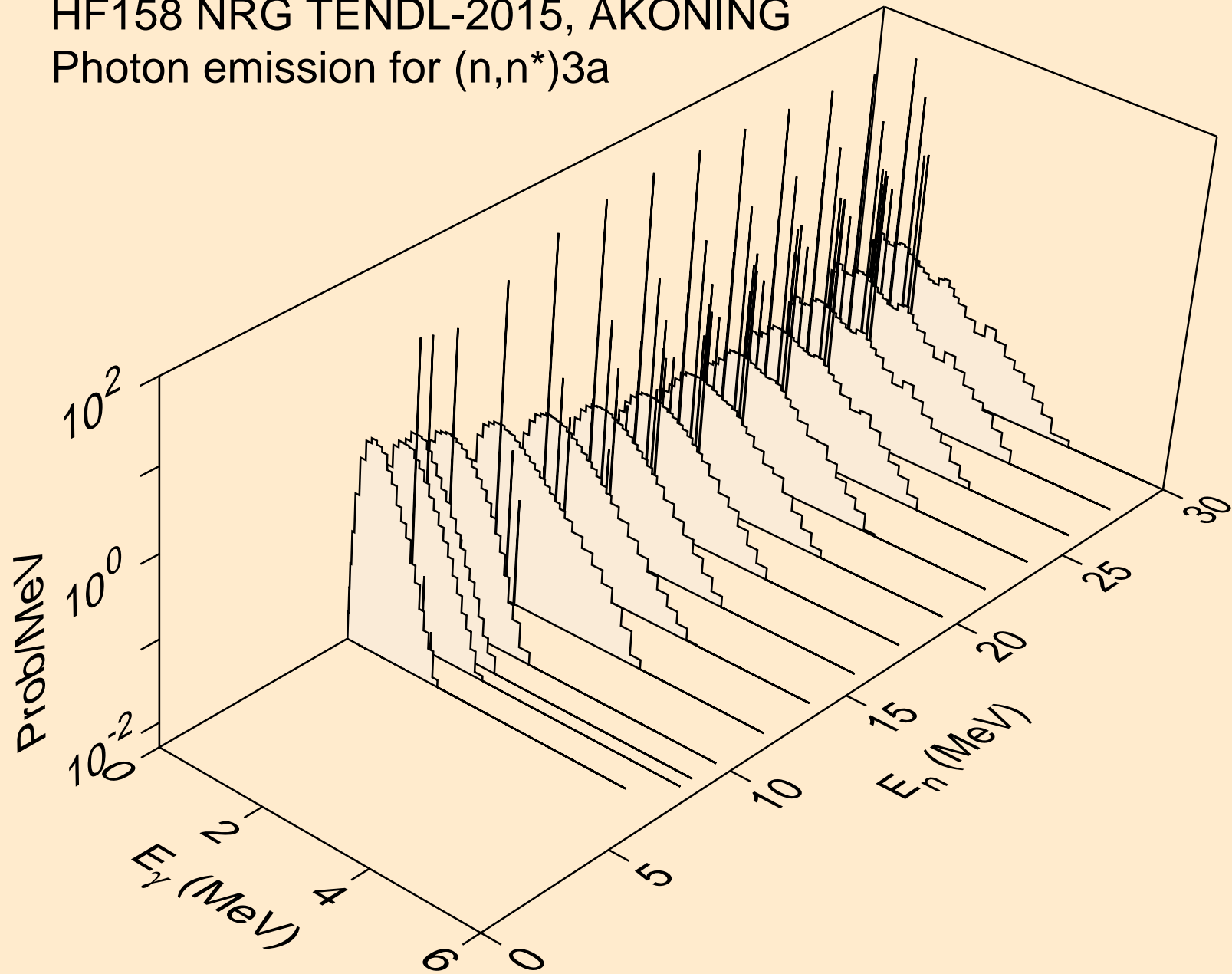
HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)



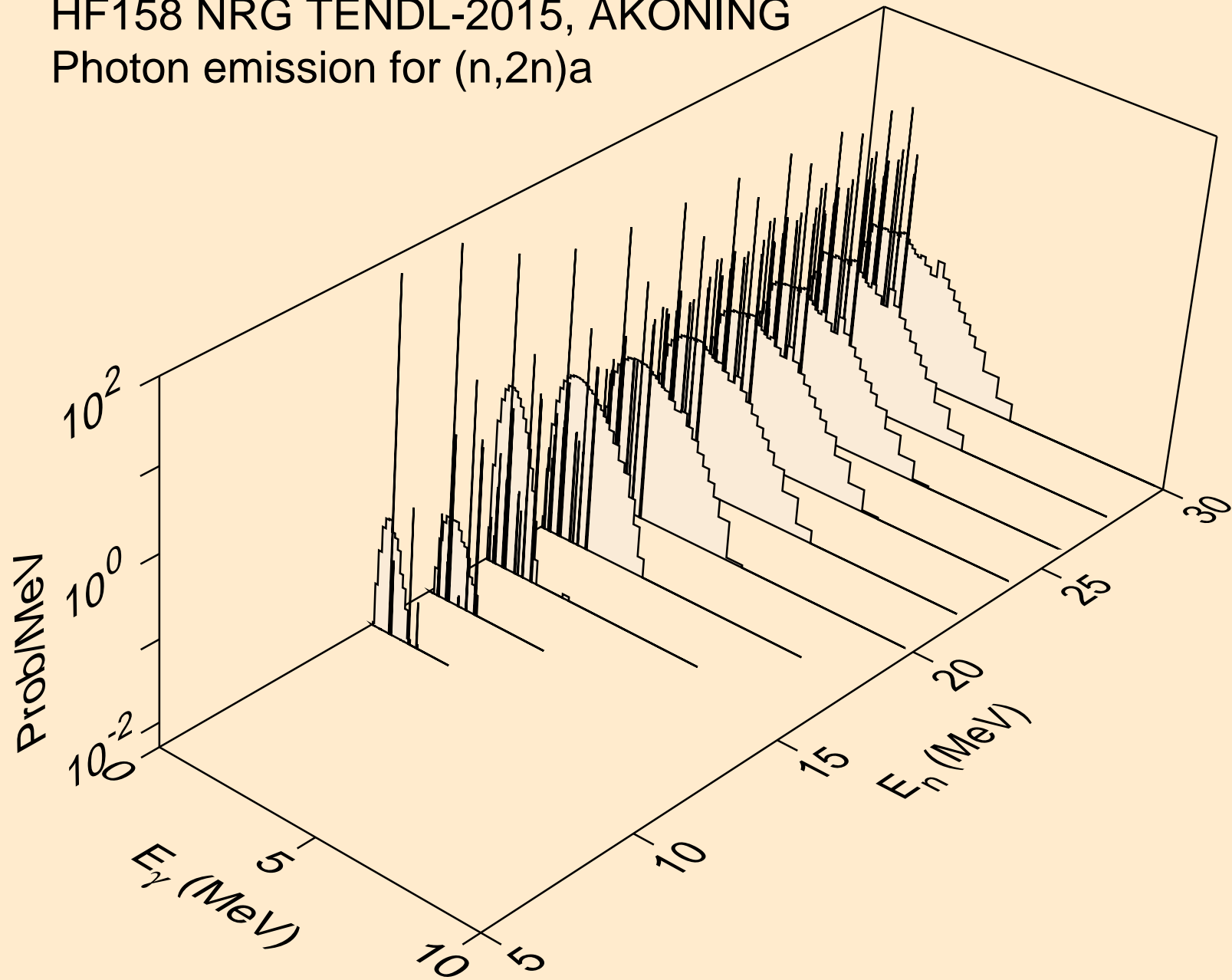
HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)a



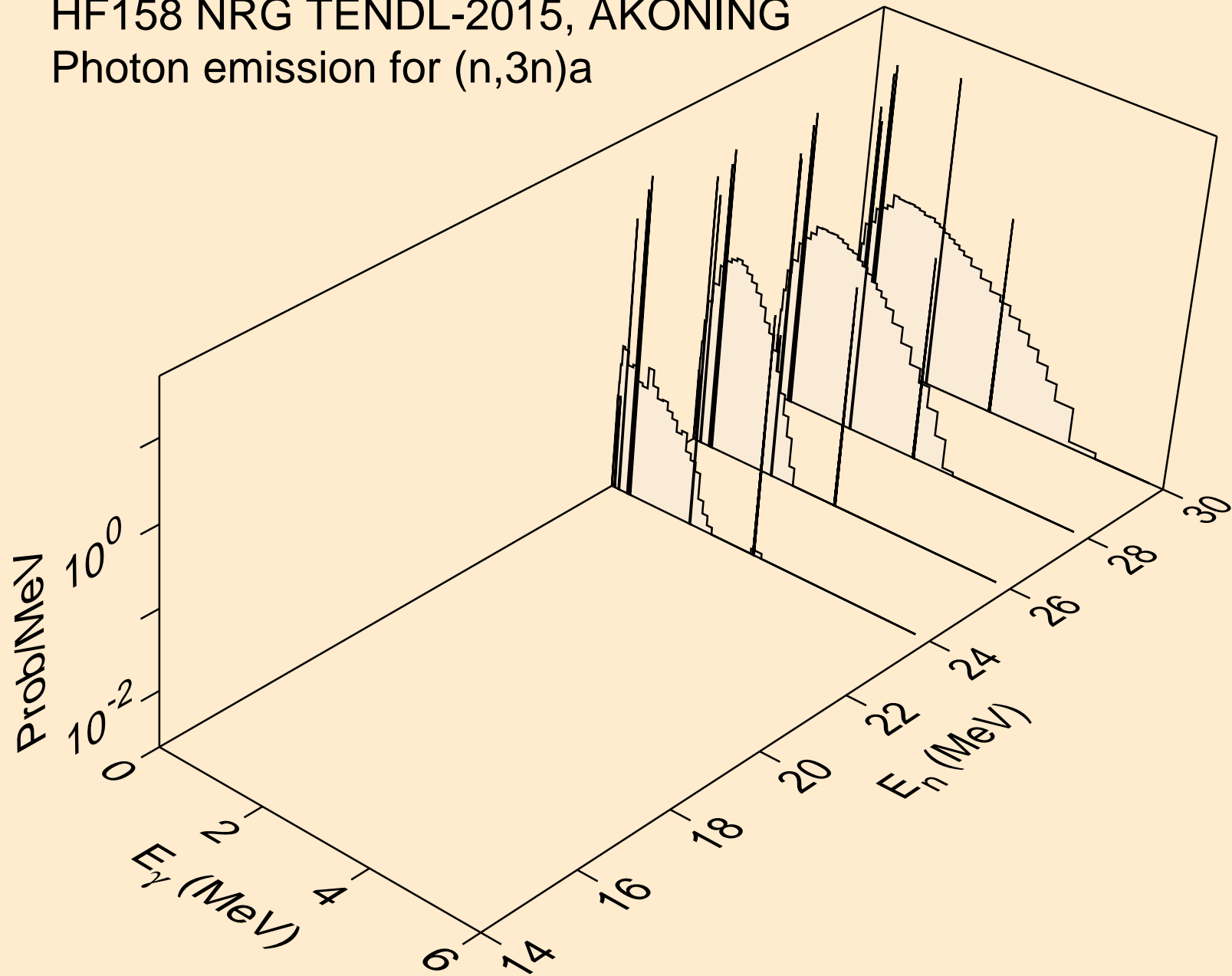
HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)3a



HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)a

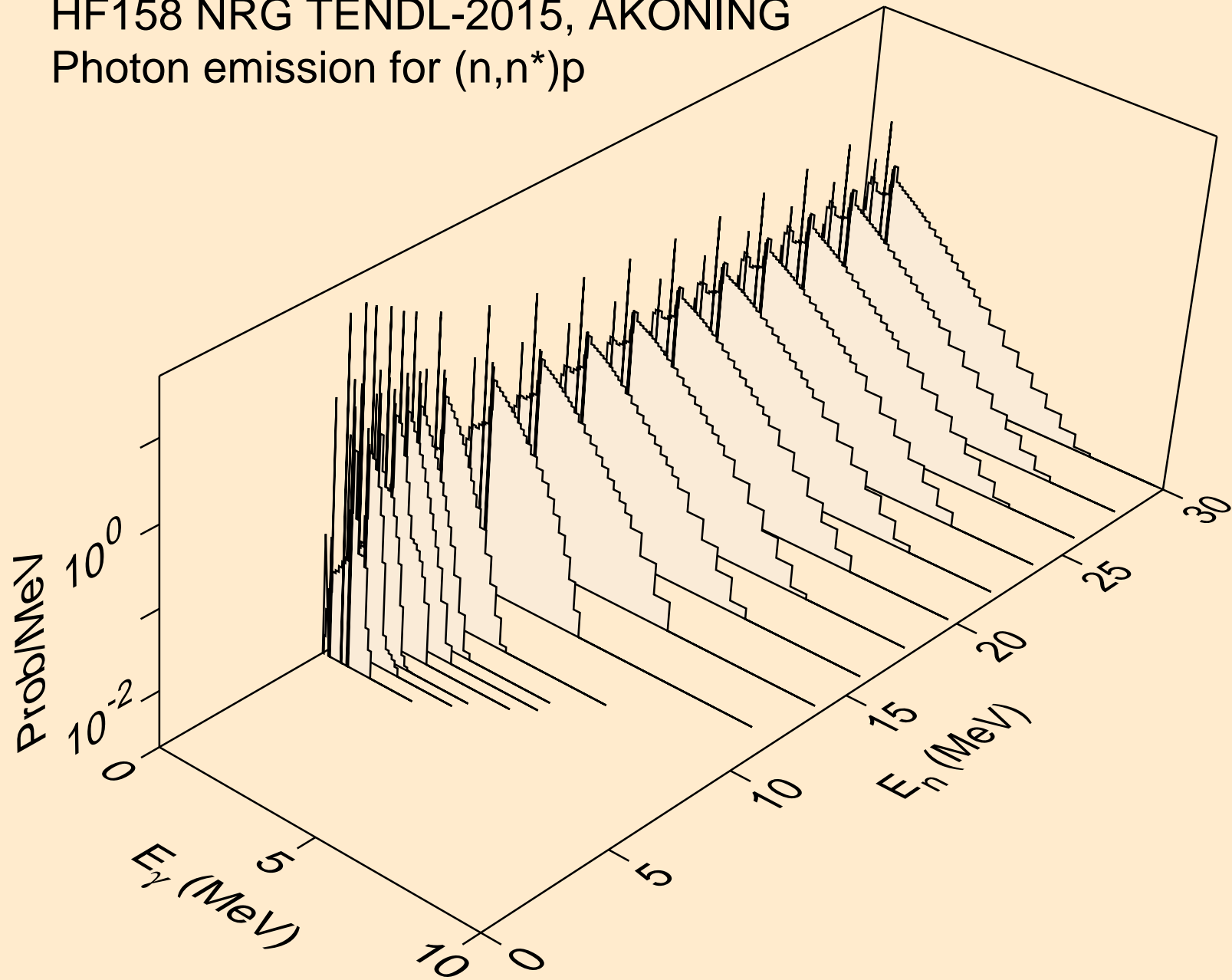


HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,3n)a

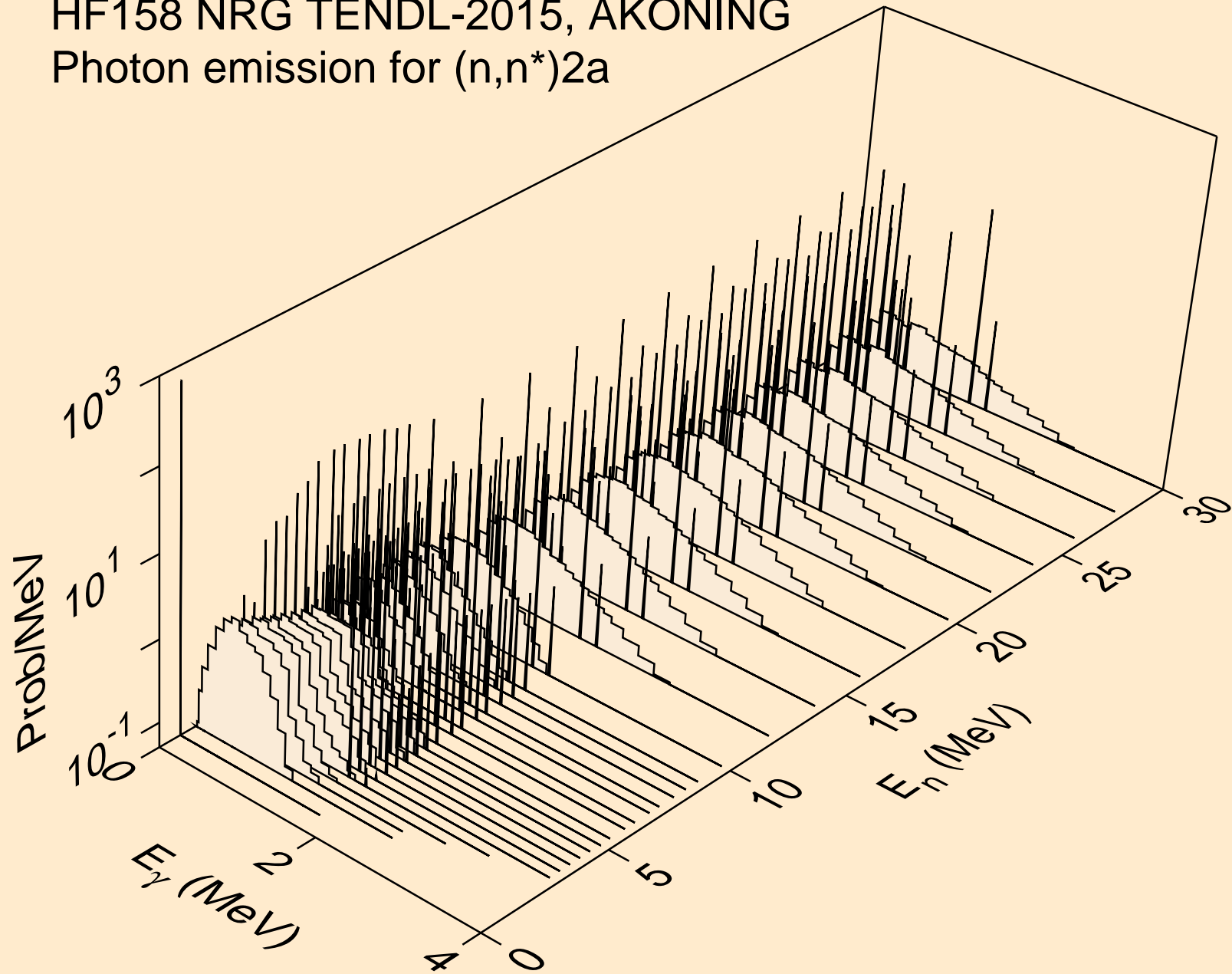




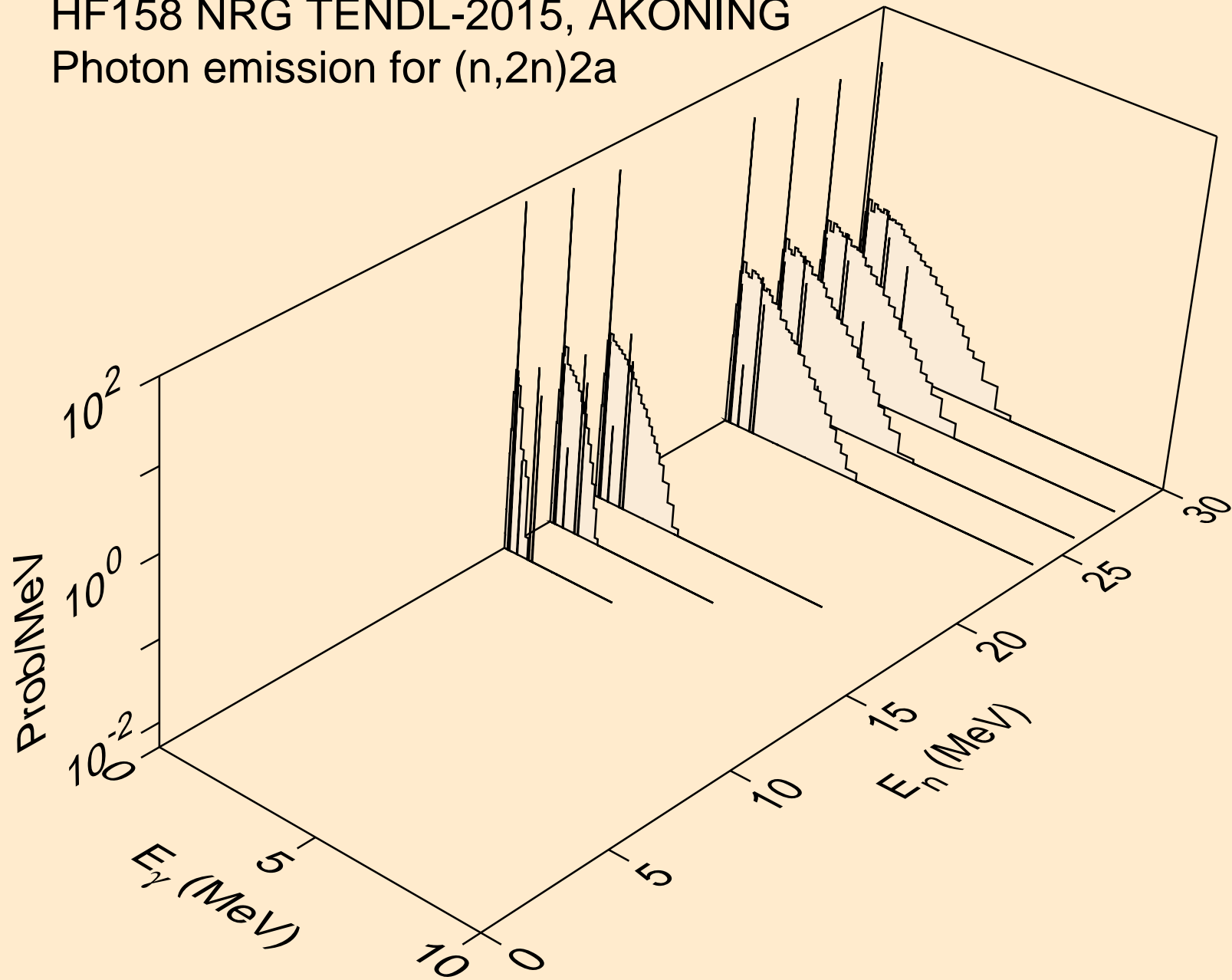
HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)p



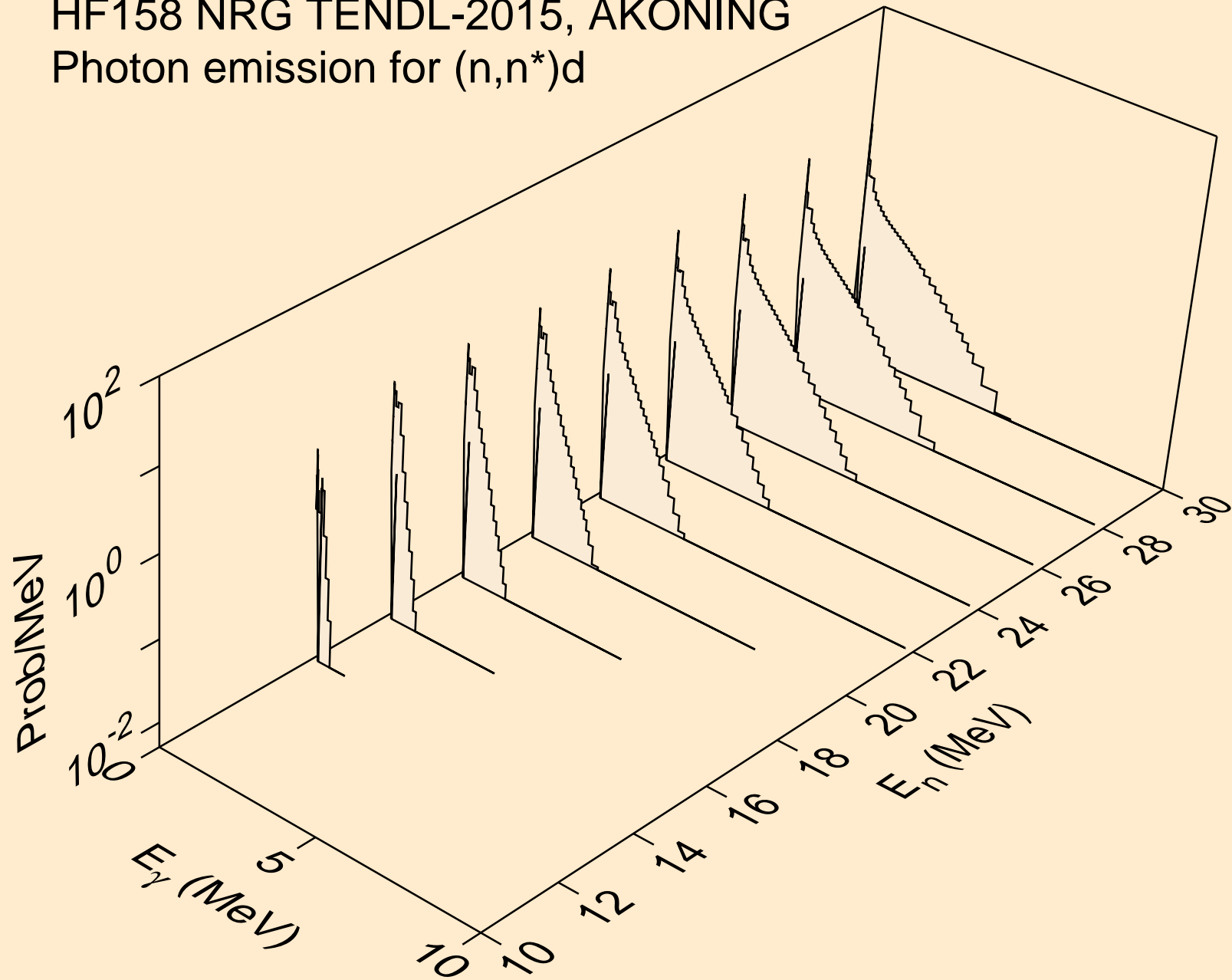
HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)2a



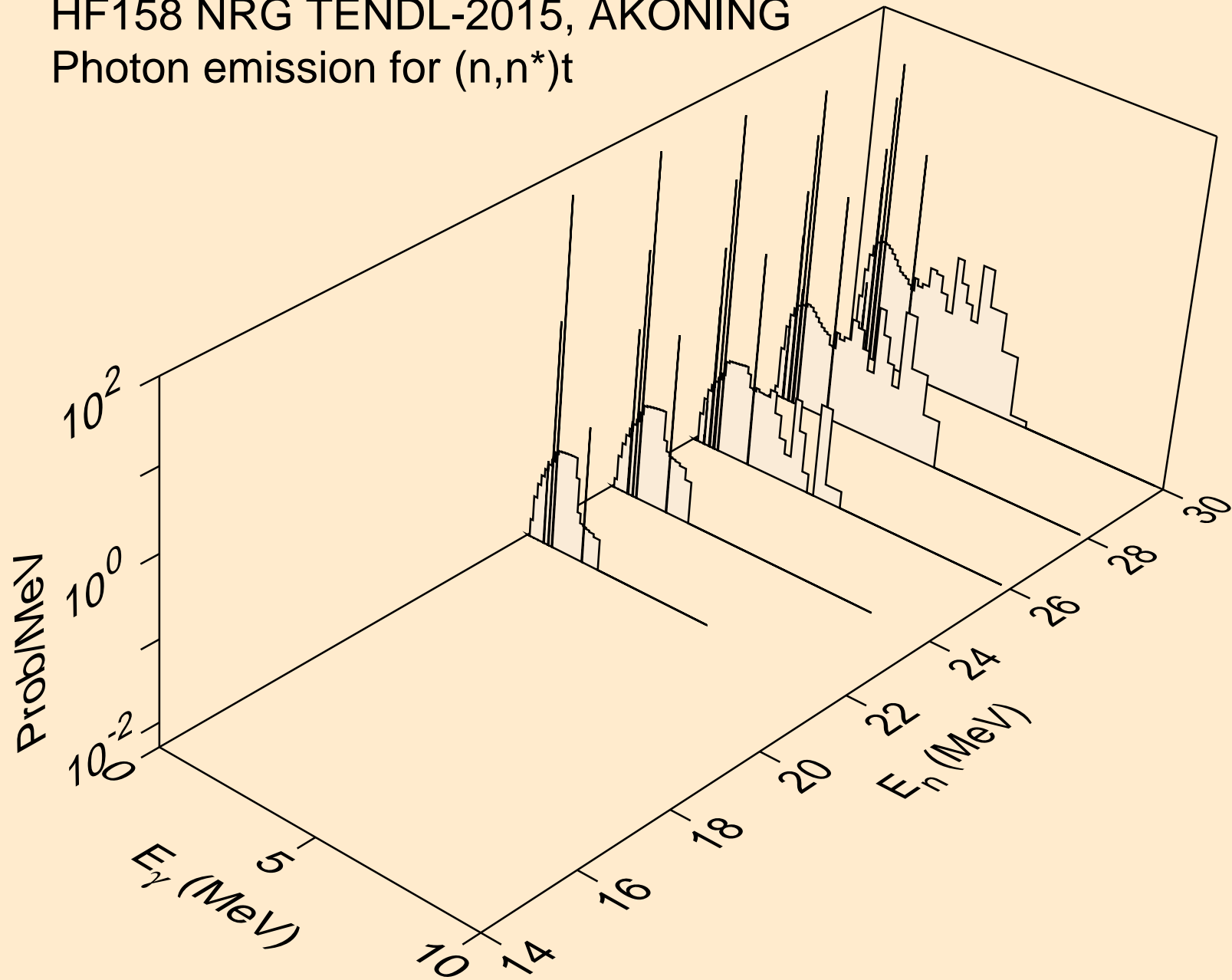
HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,2n)2a



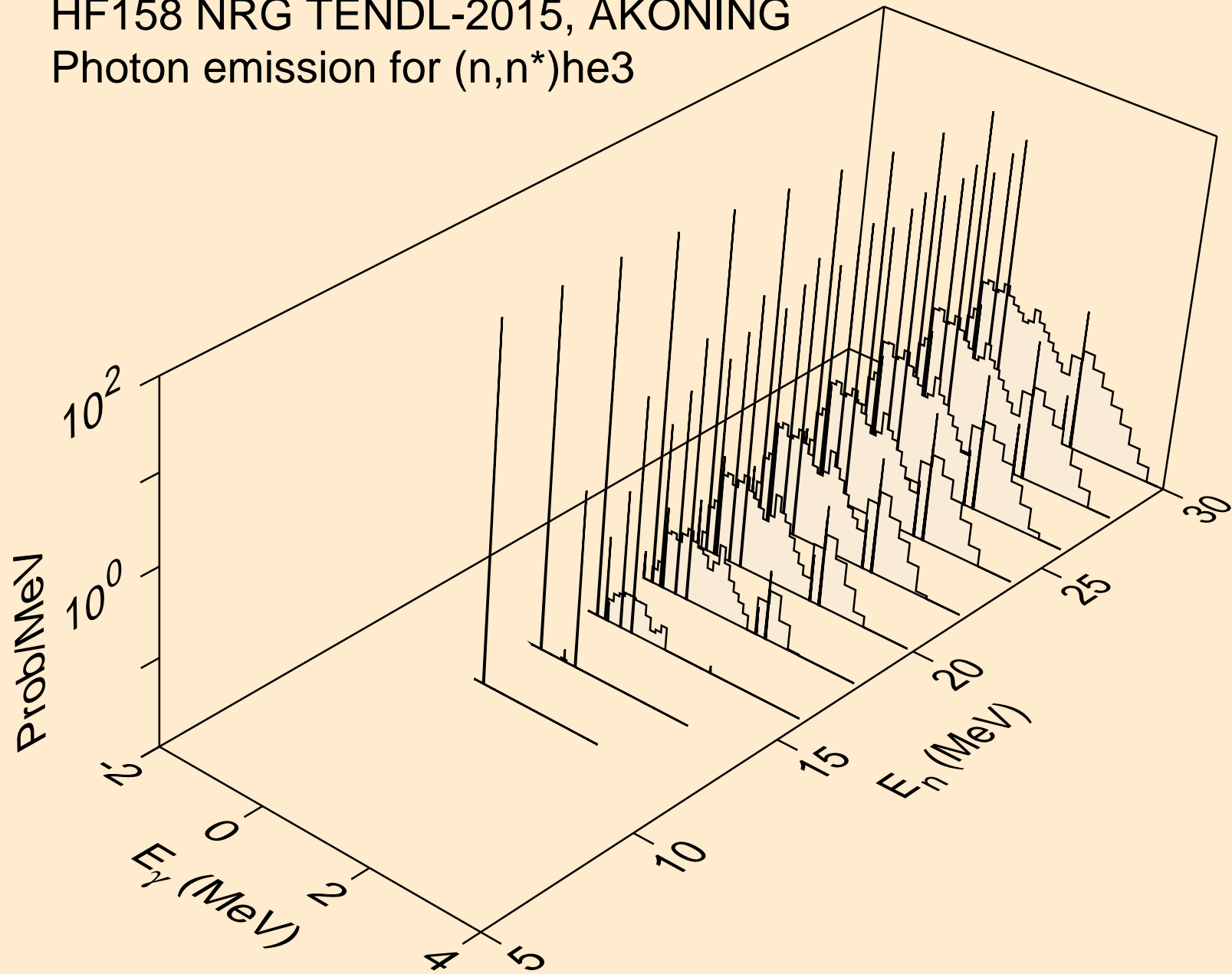
HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d



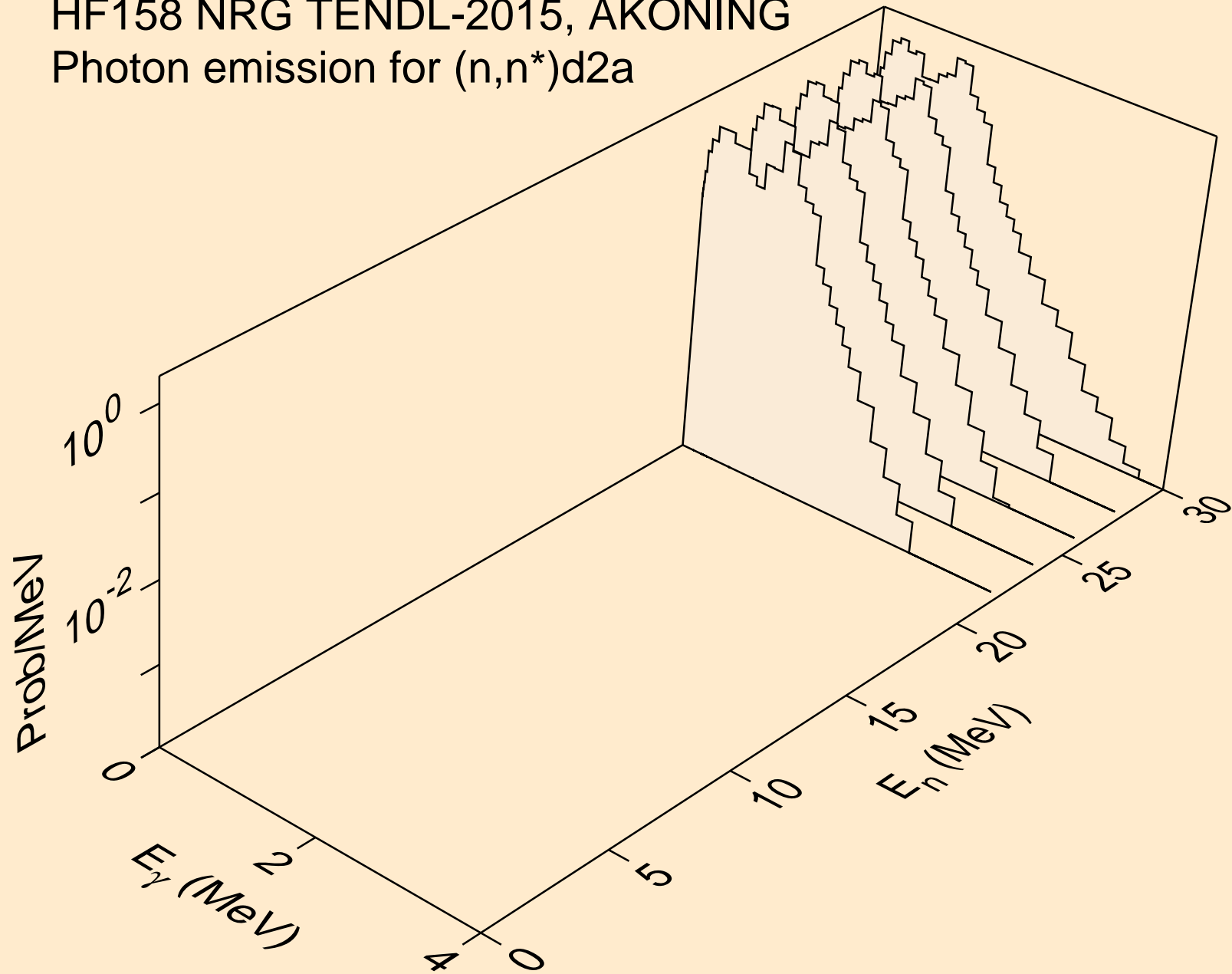
HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)t



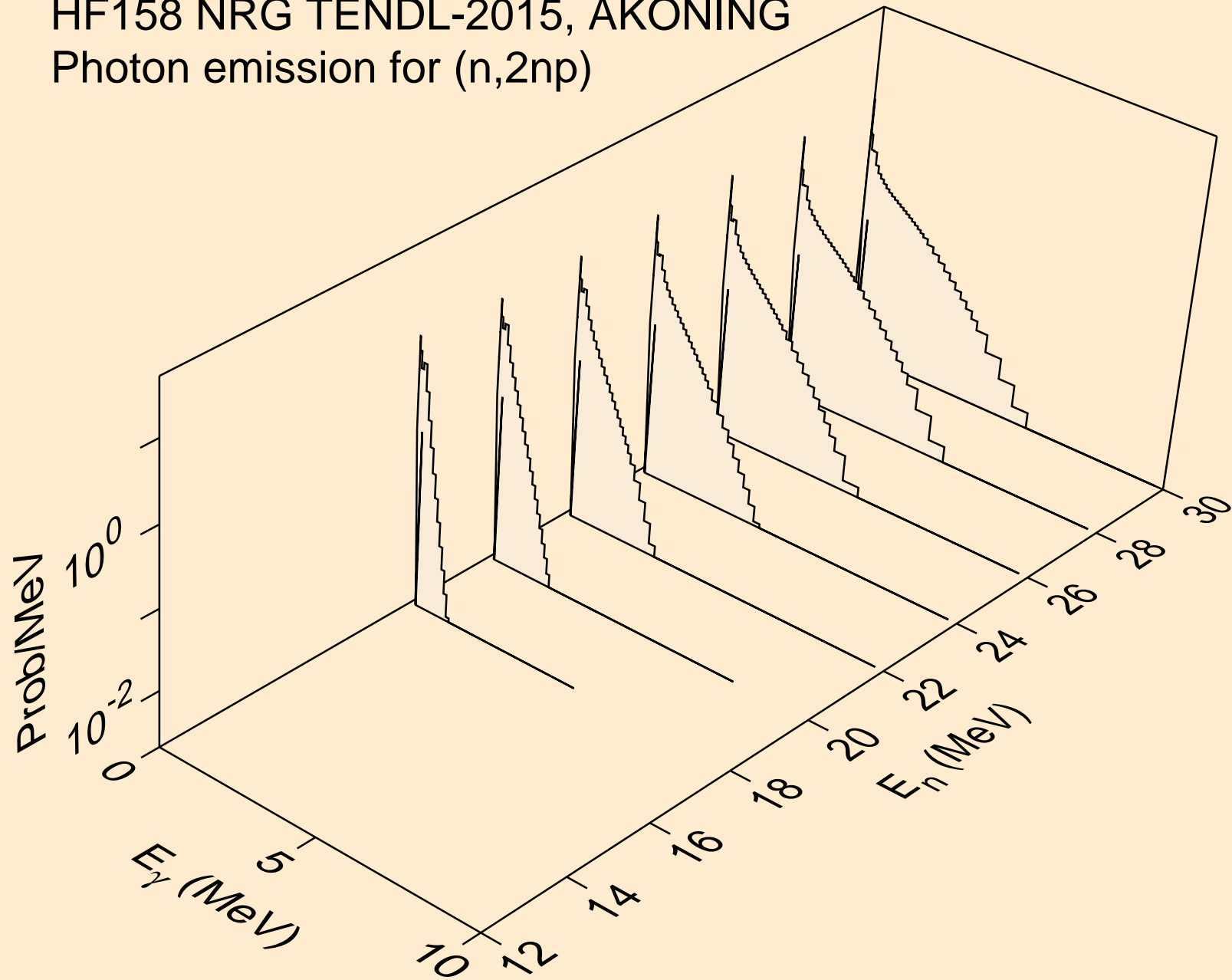
HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)he3



HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*)d2a

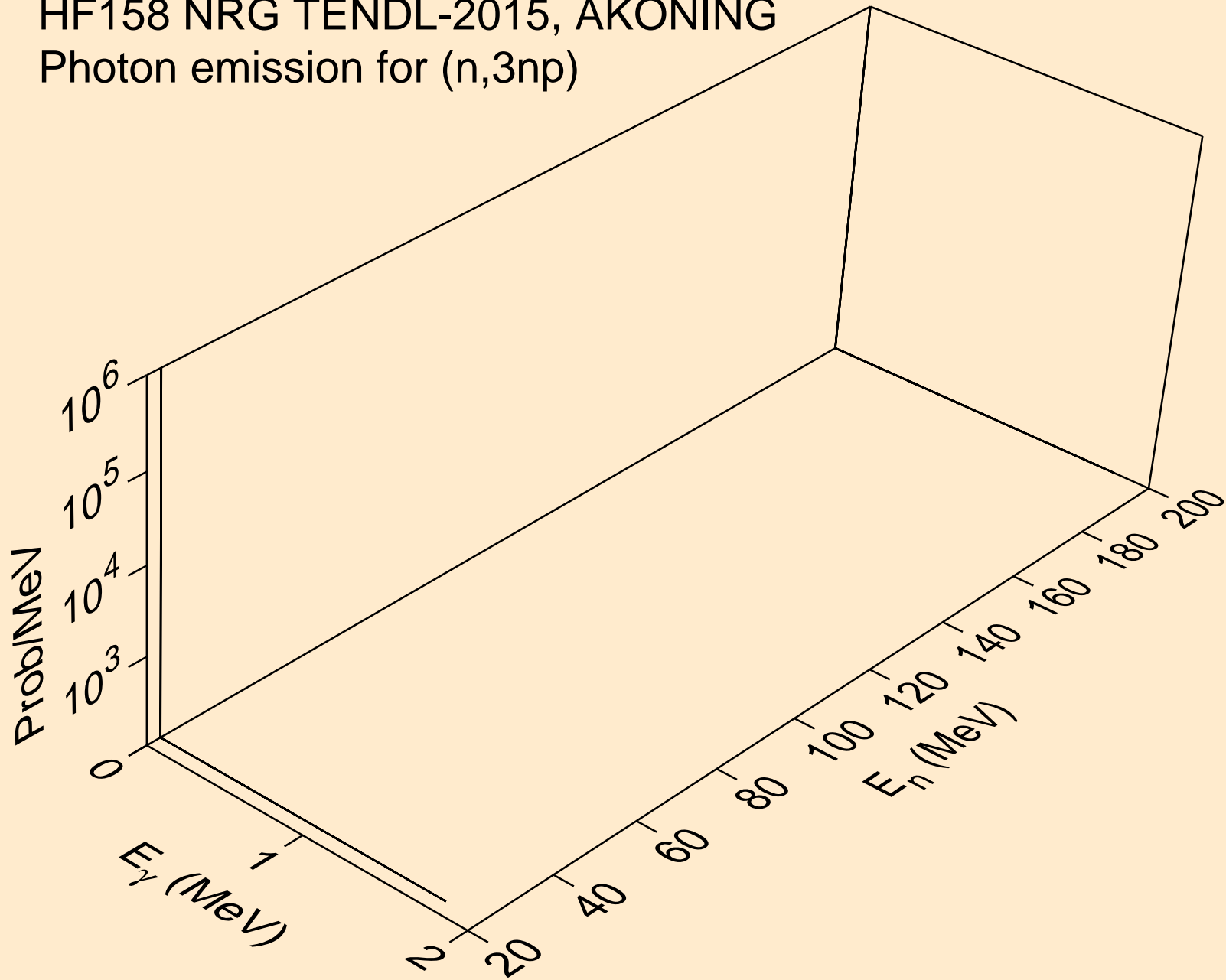


HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)

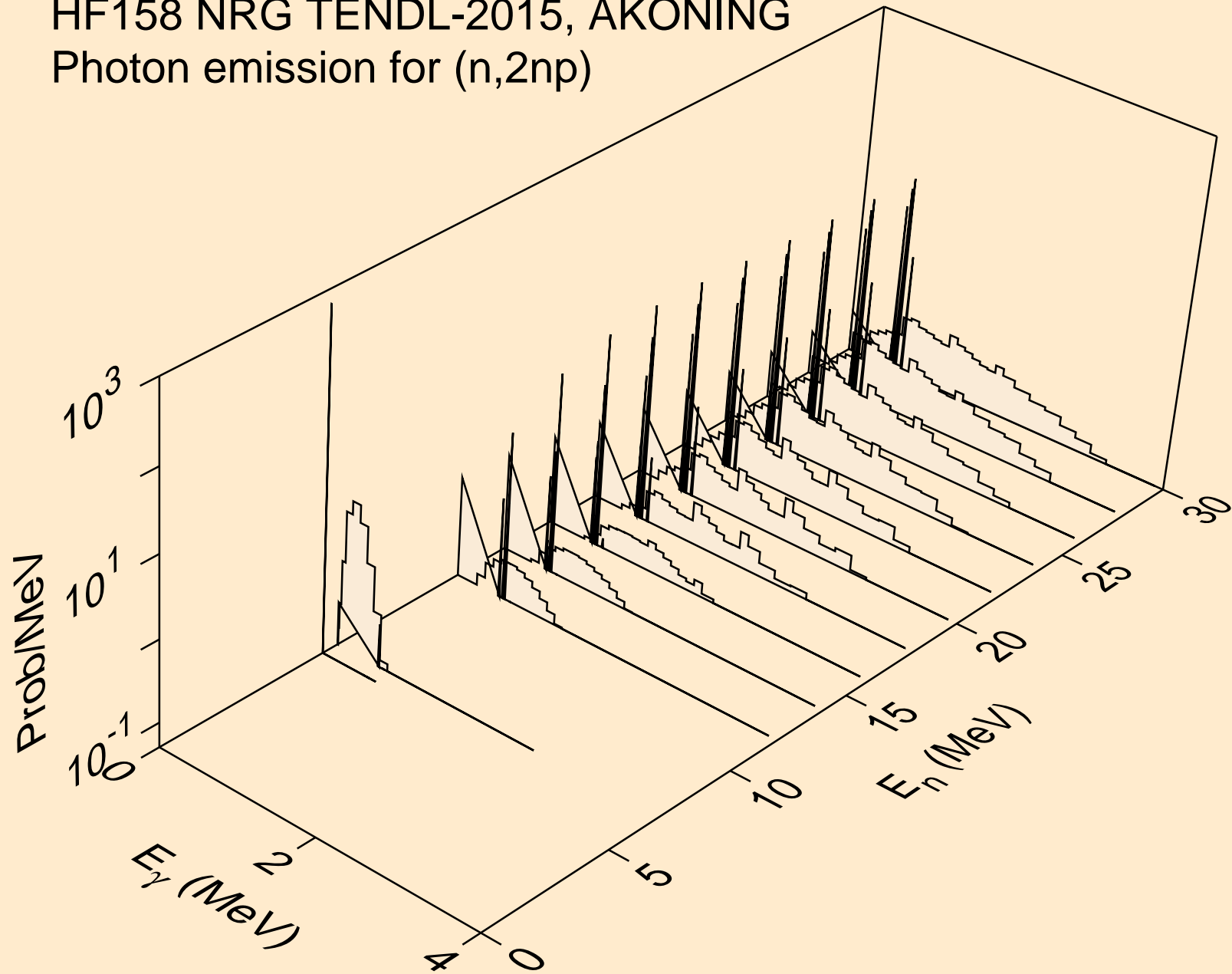




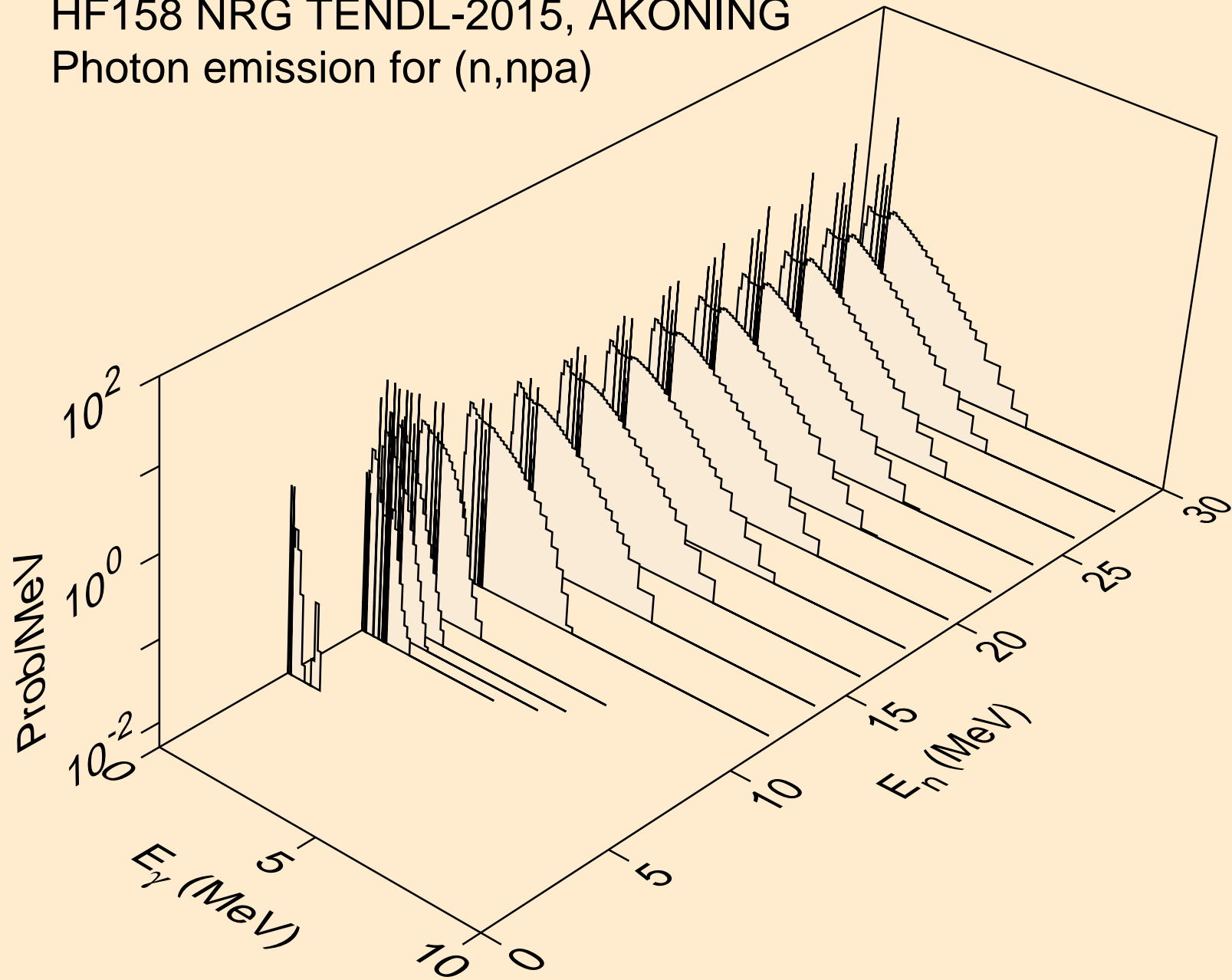
HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,3np)



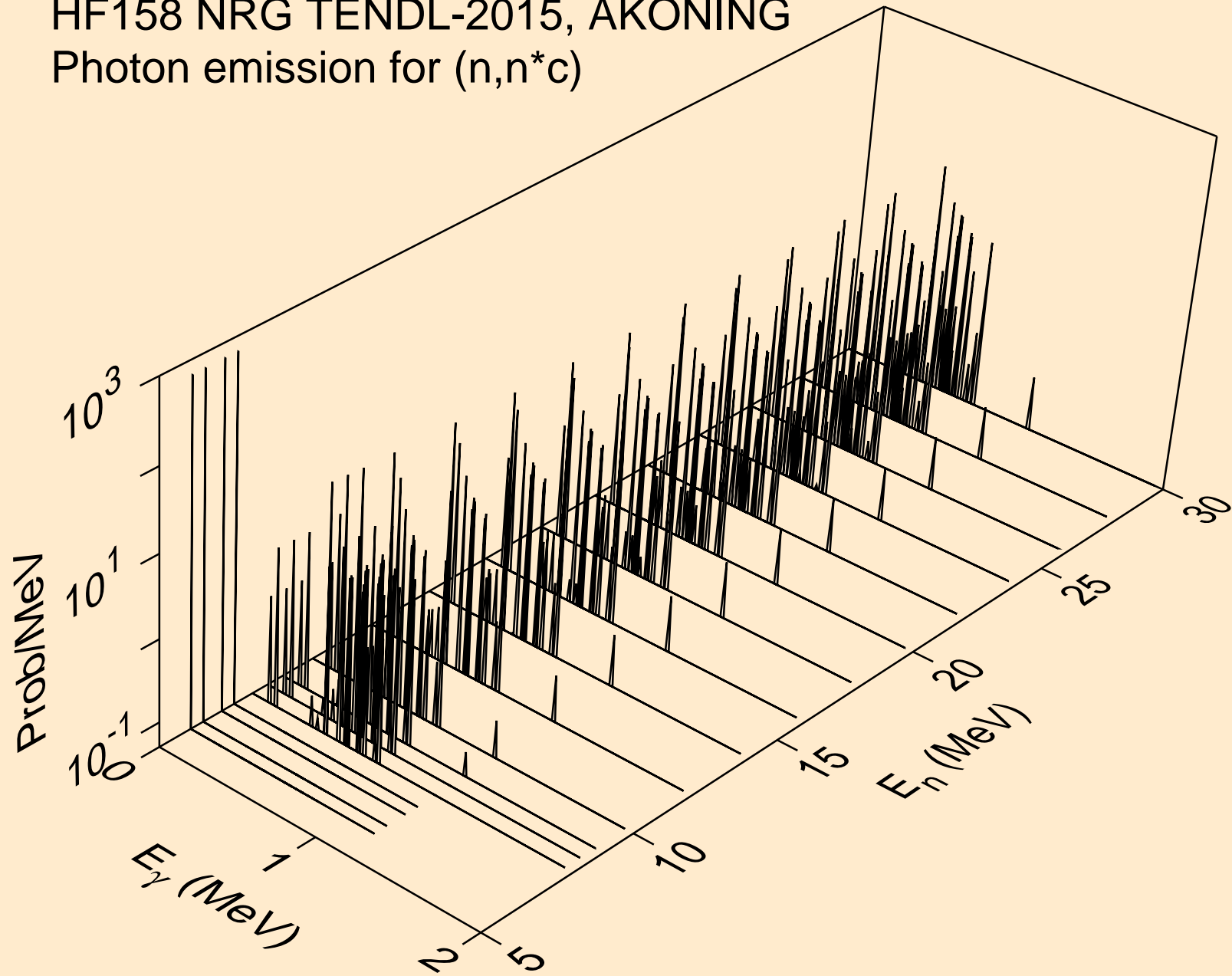
HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,2np)



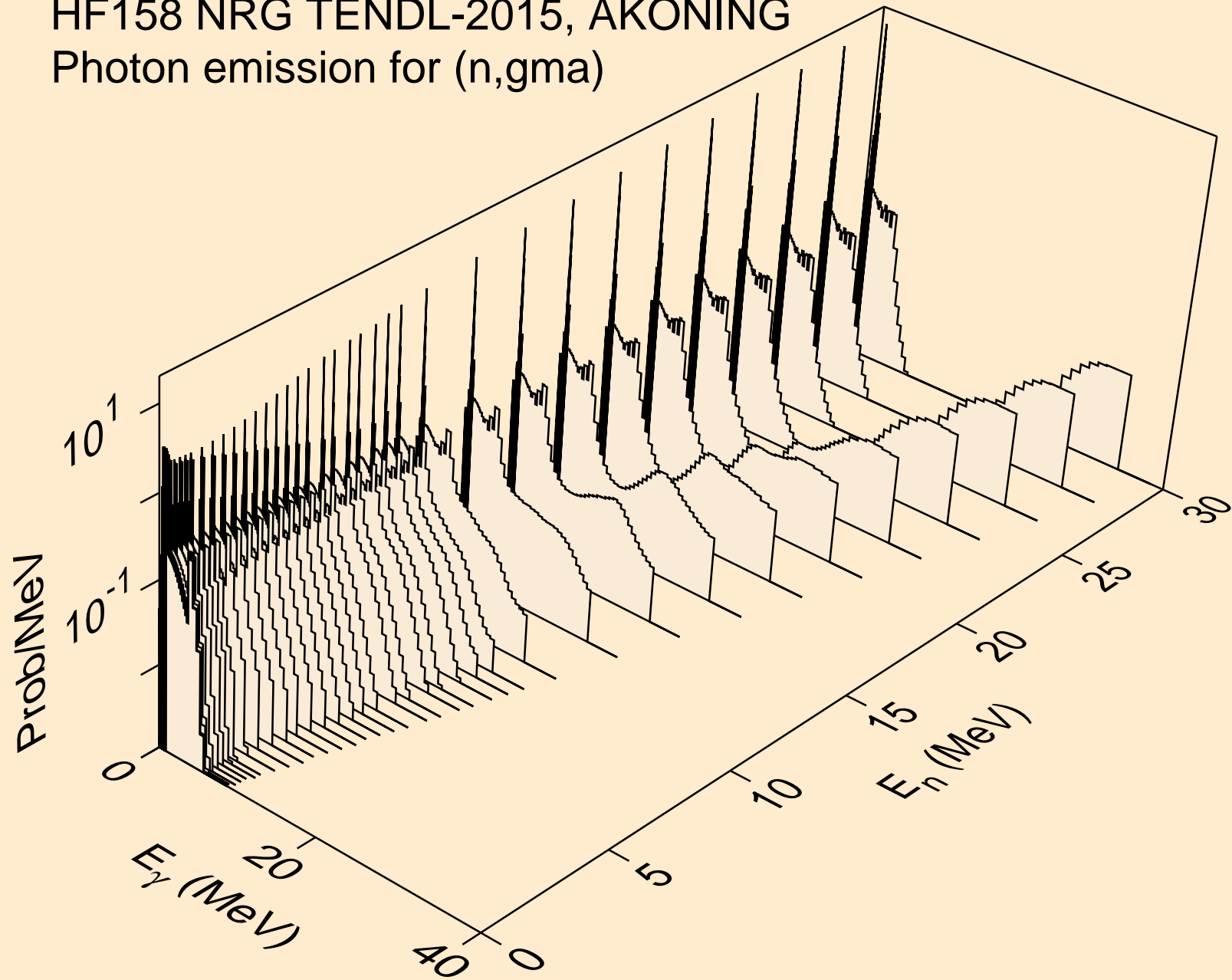
HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,npa)



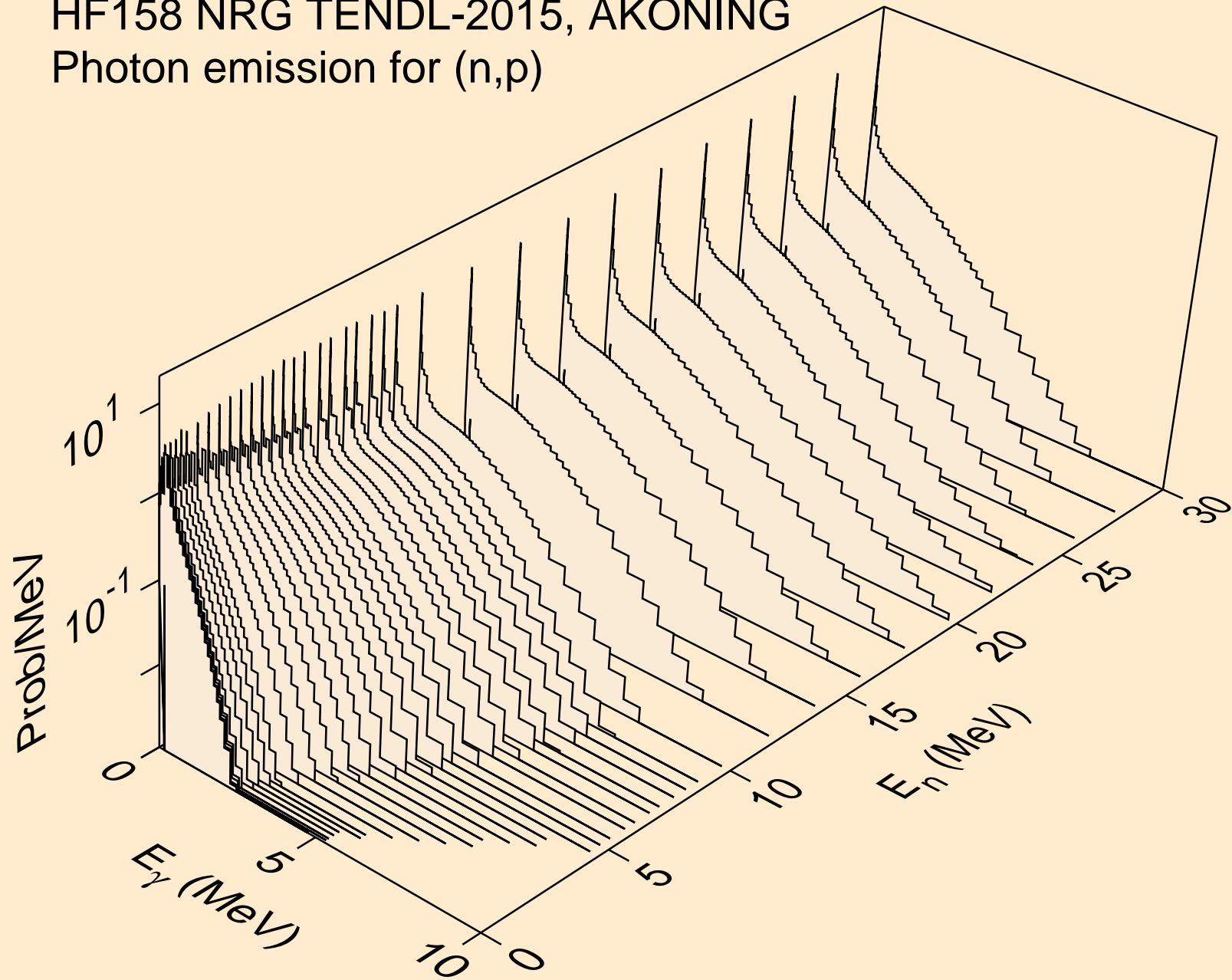
HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,n\*c)



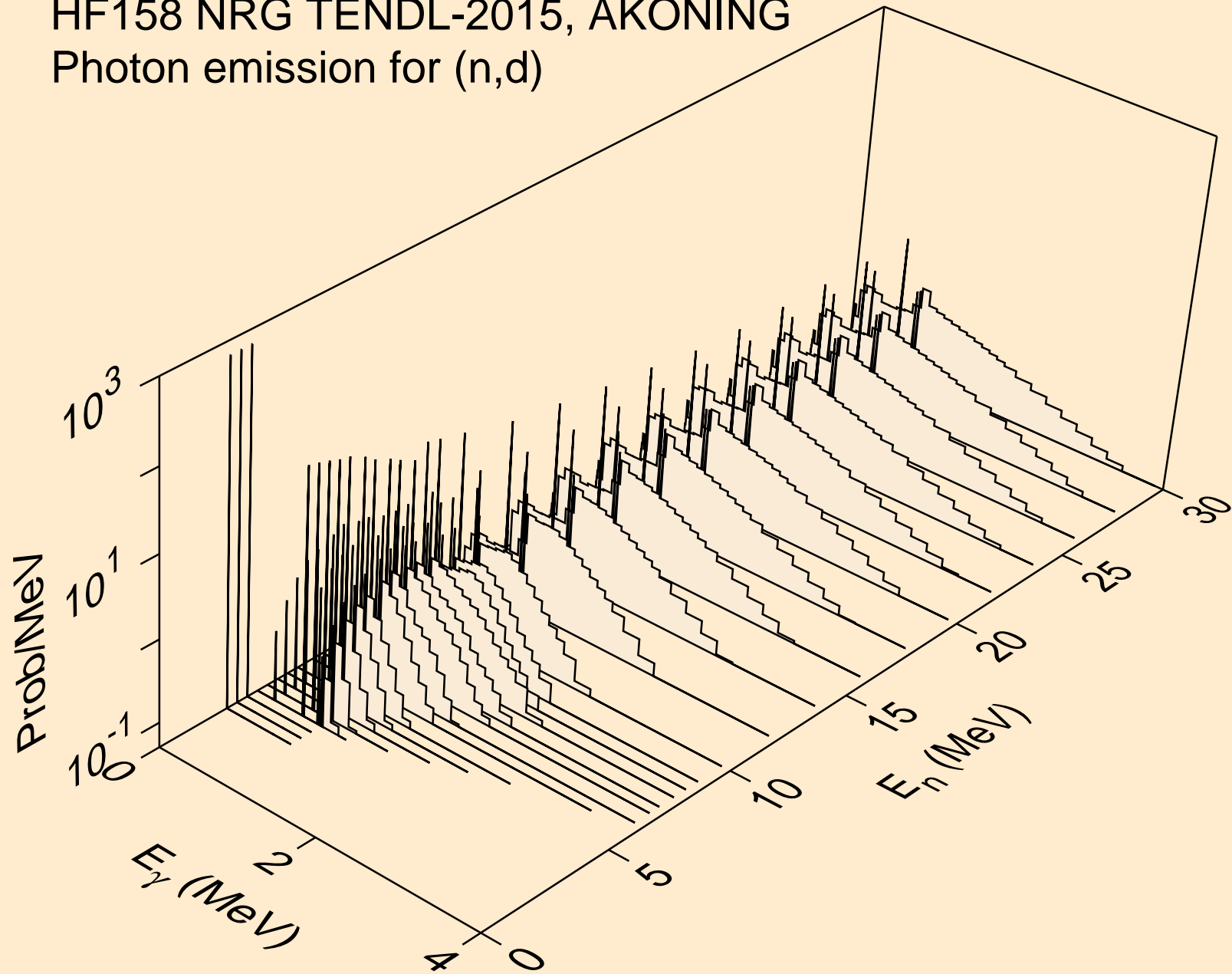
HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,gma)



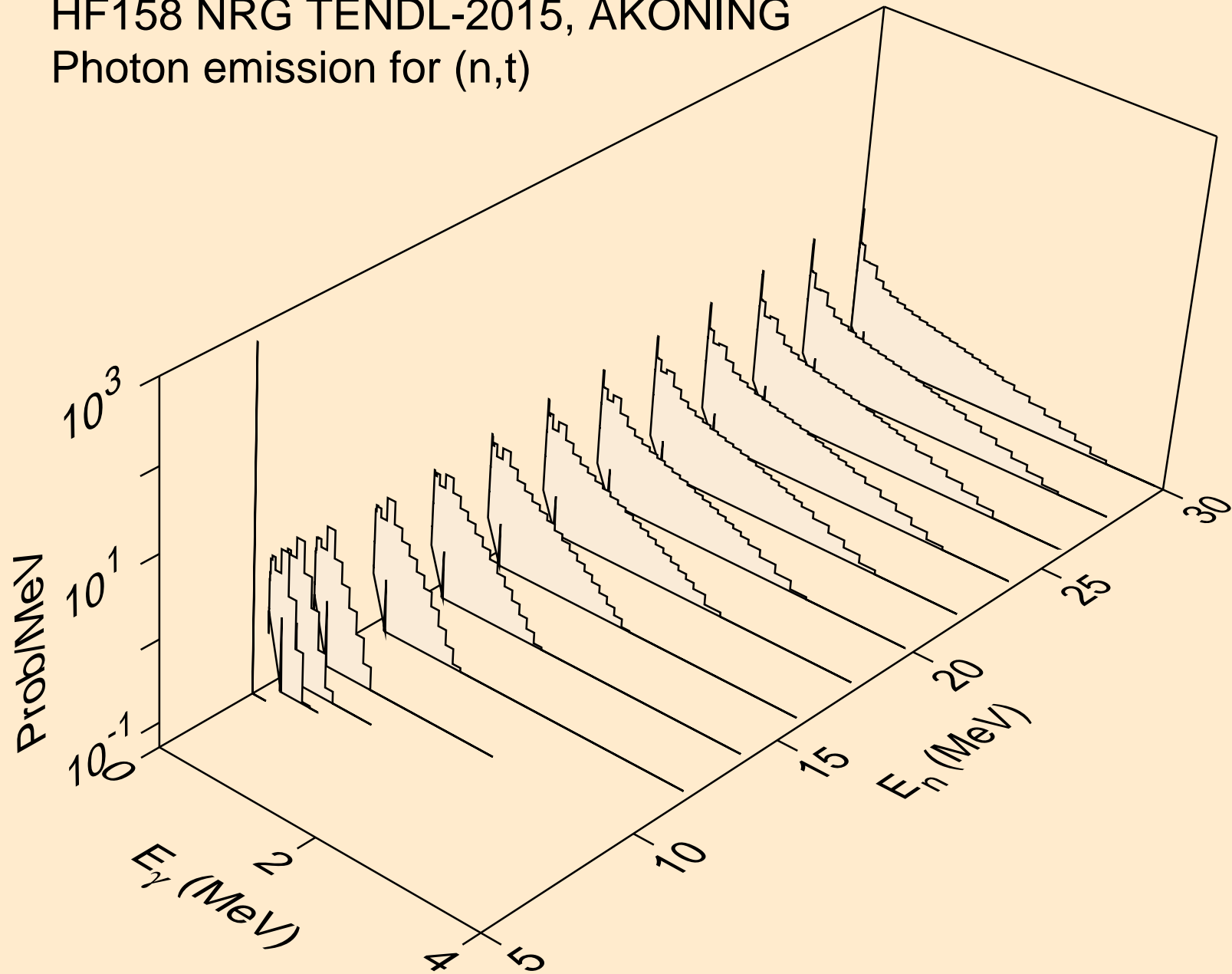
HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,p)



HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,d)

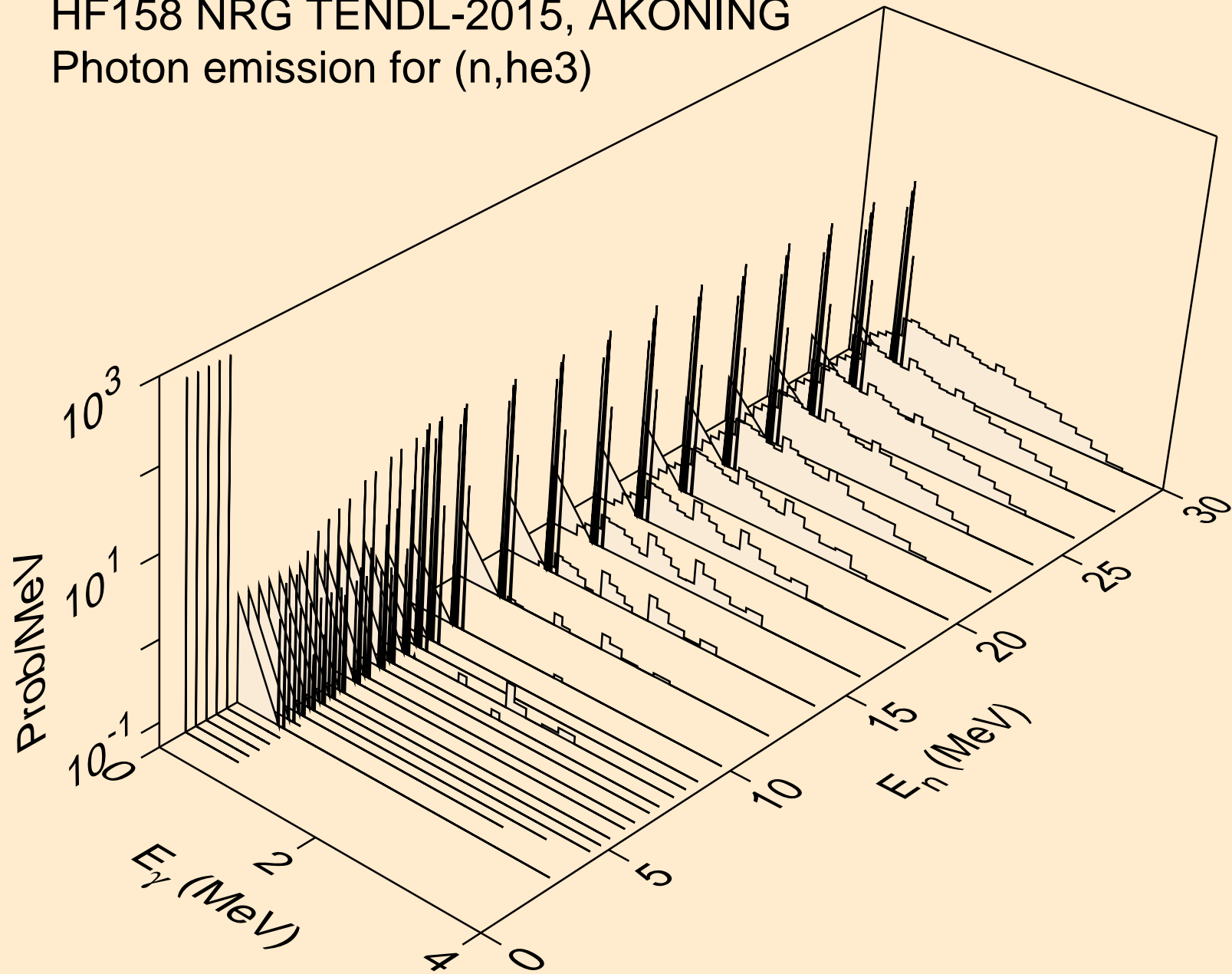


HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,t)

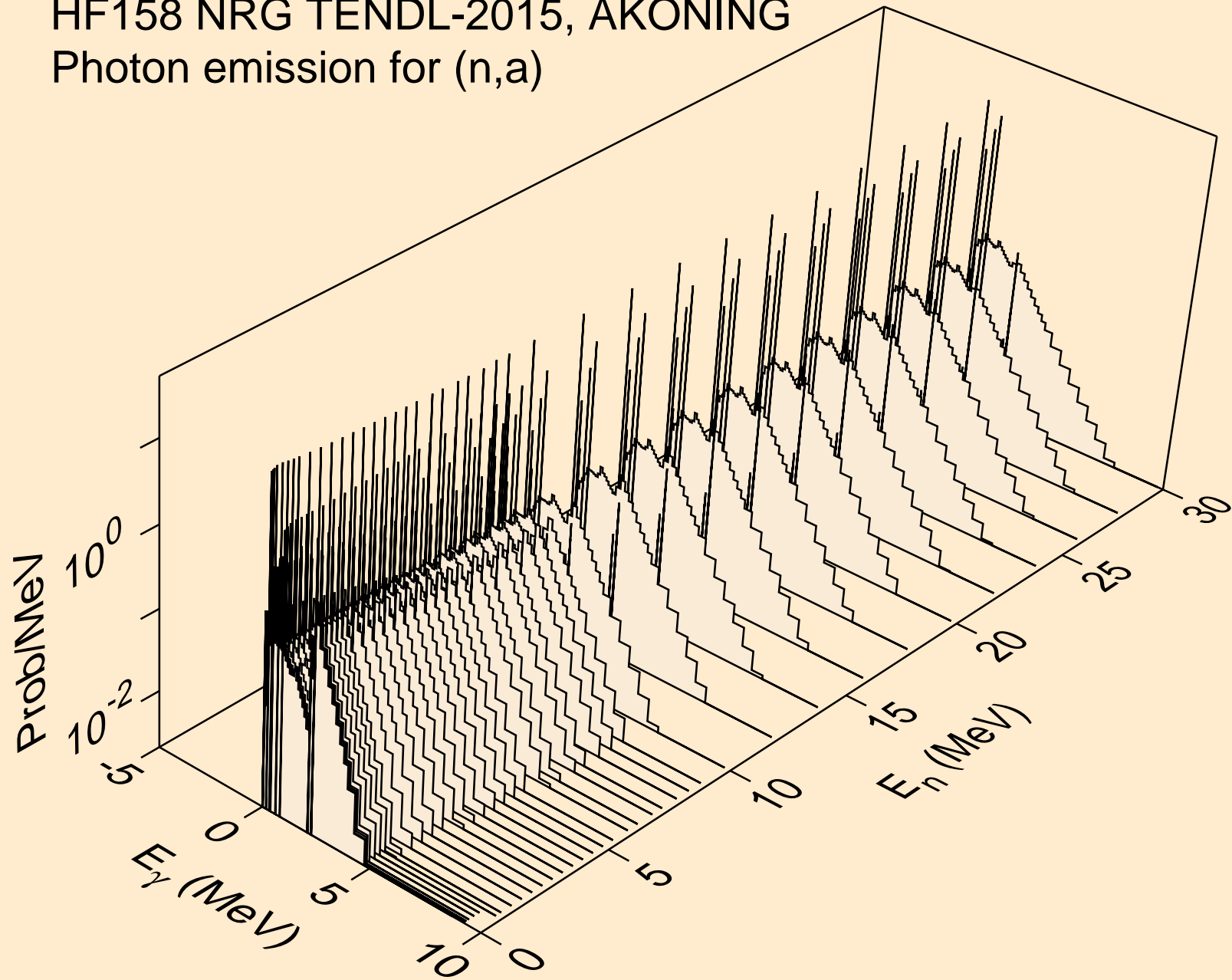




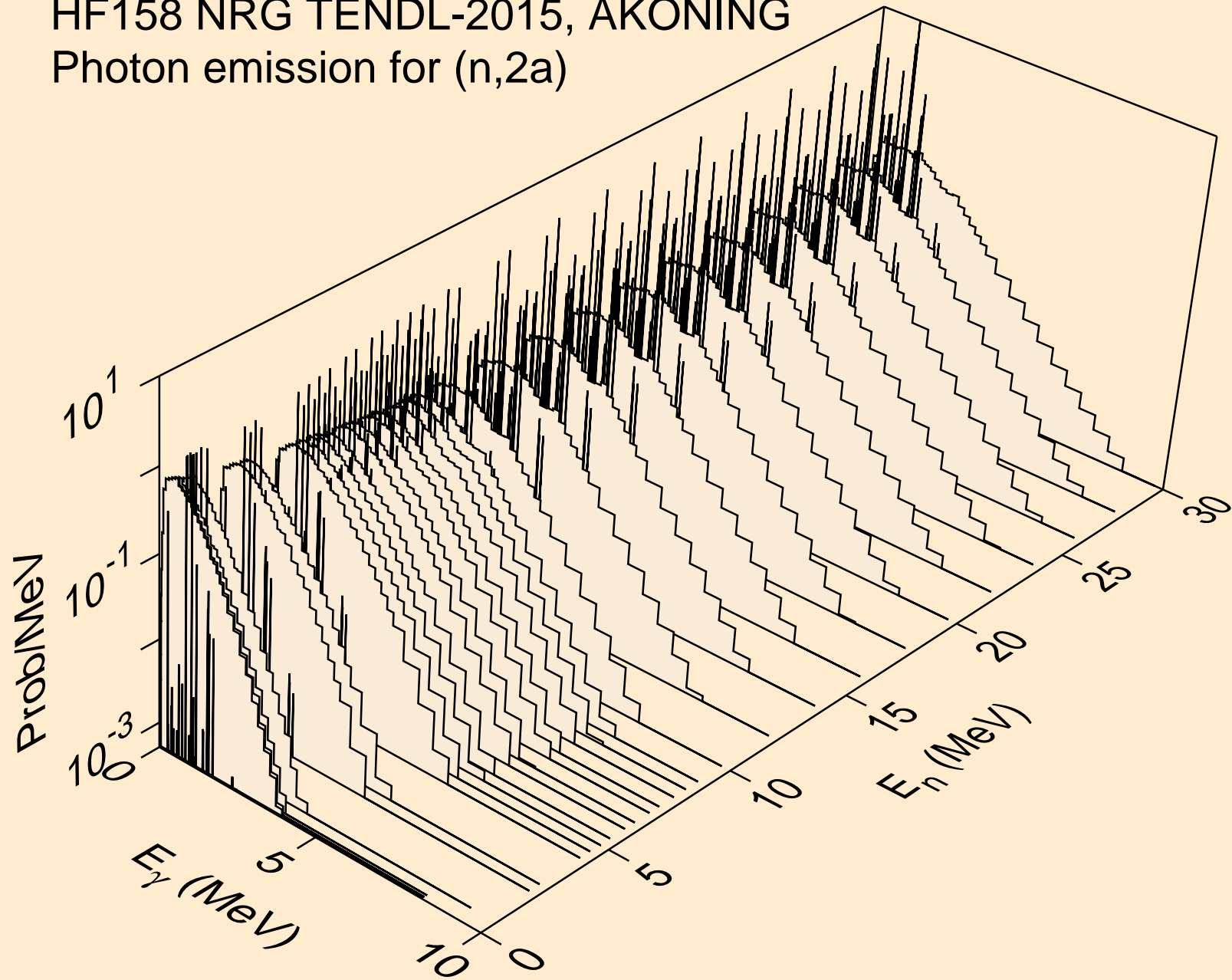
HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,he3)



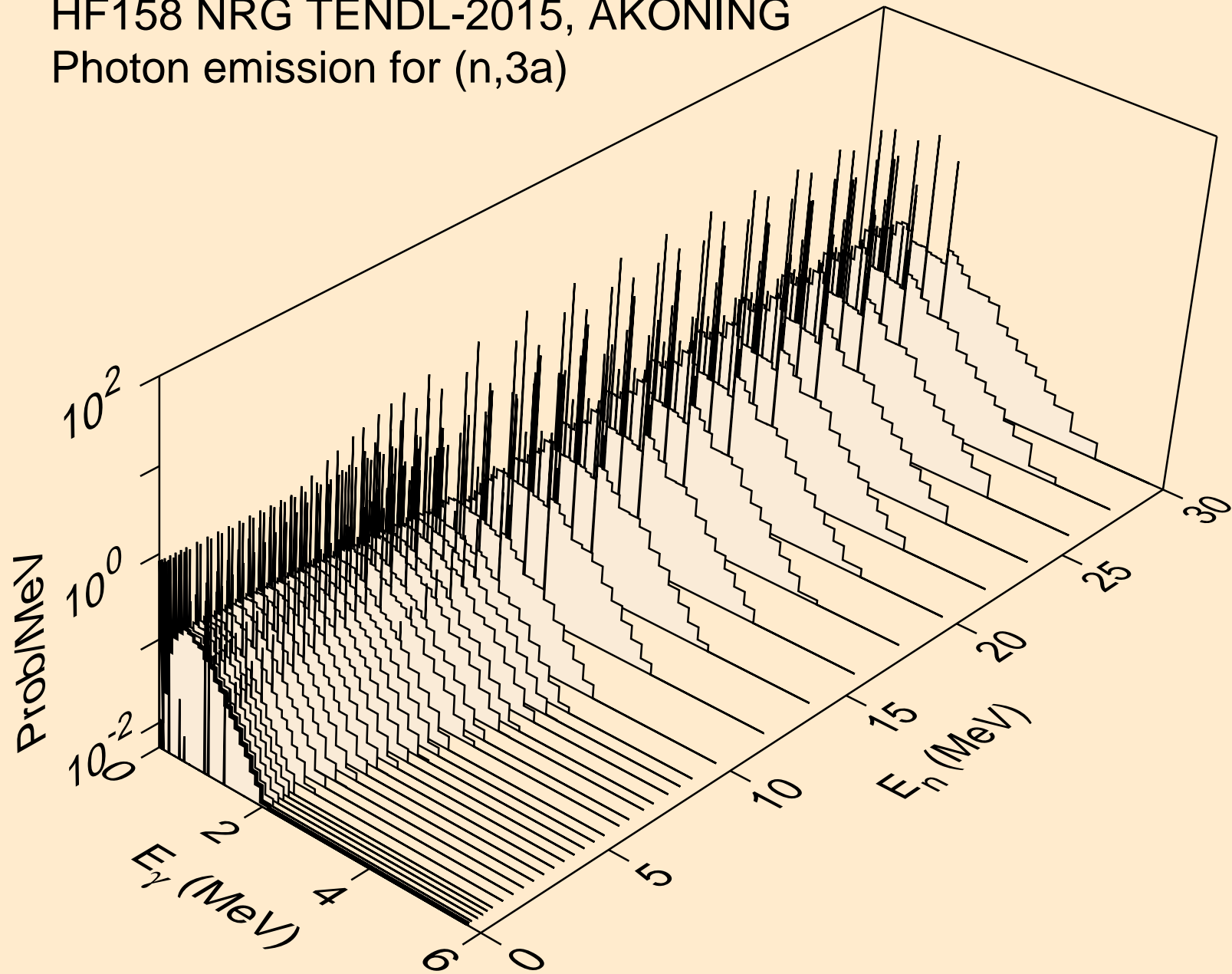
HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,a)



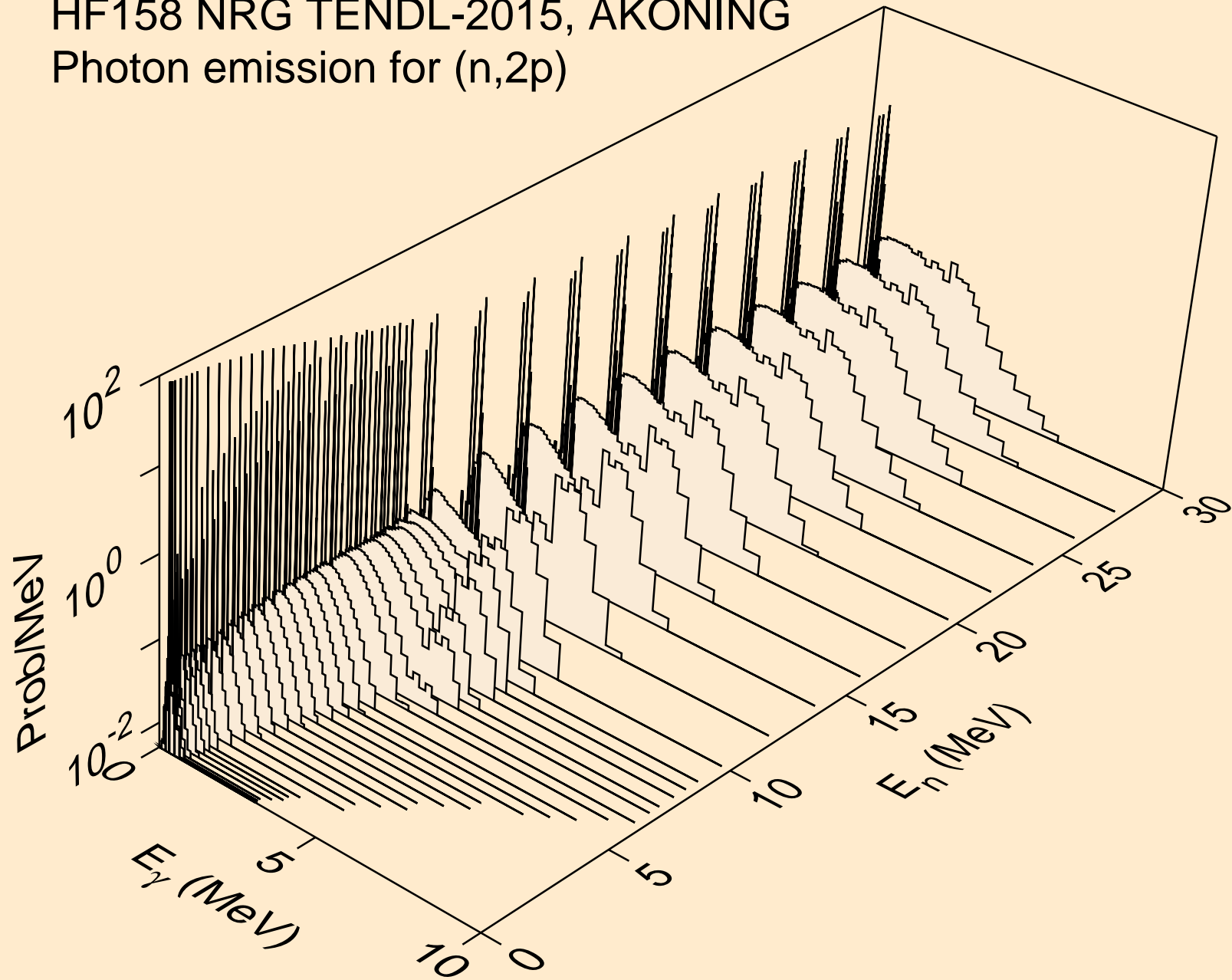
HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,2a)



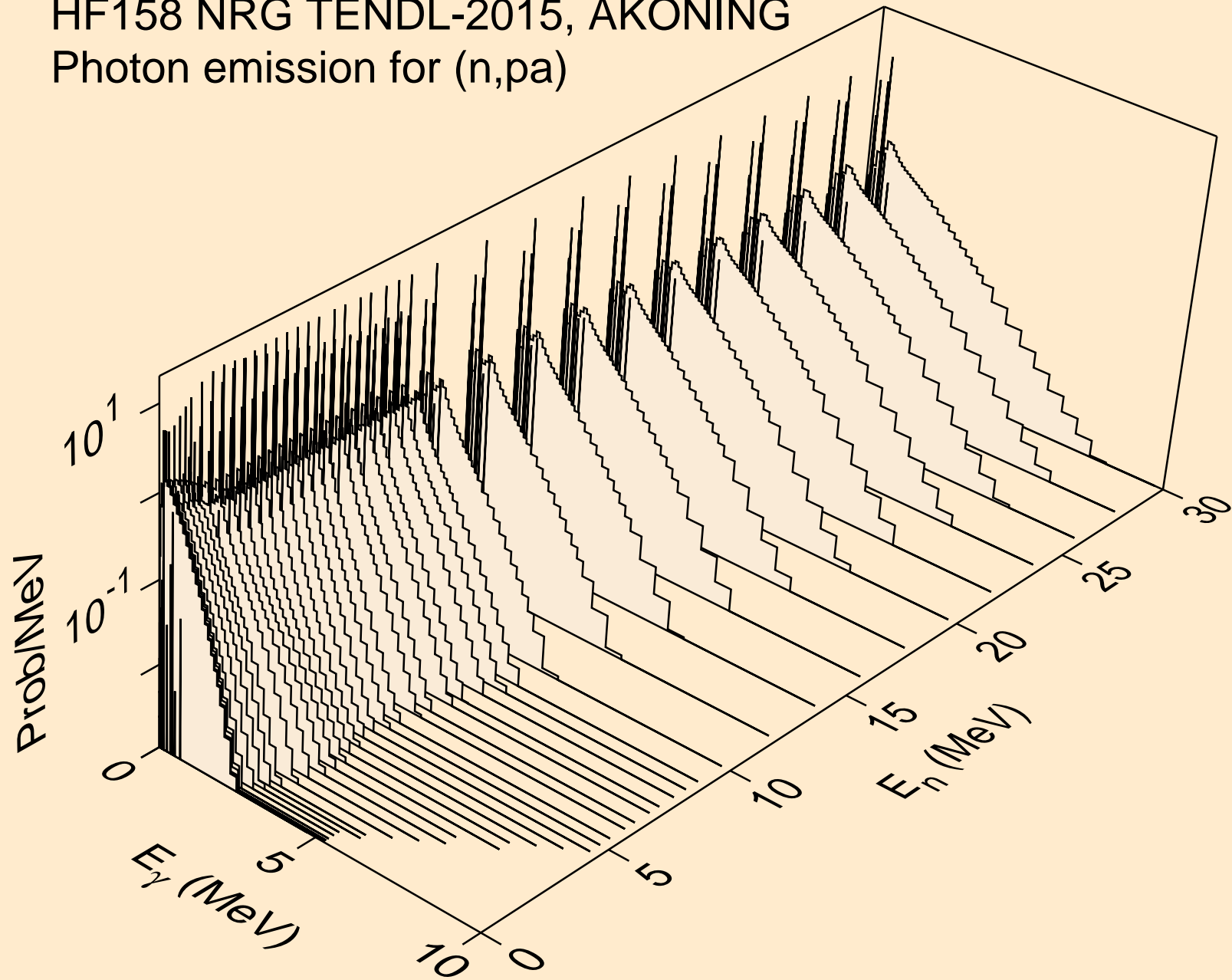
HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,3a)



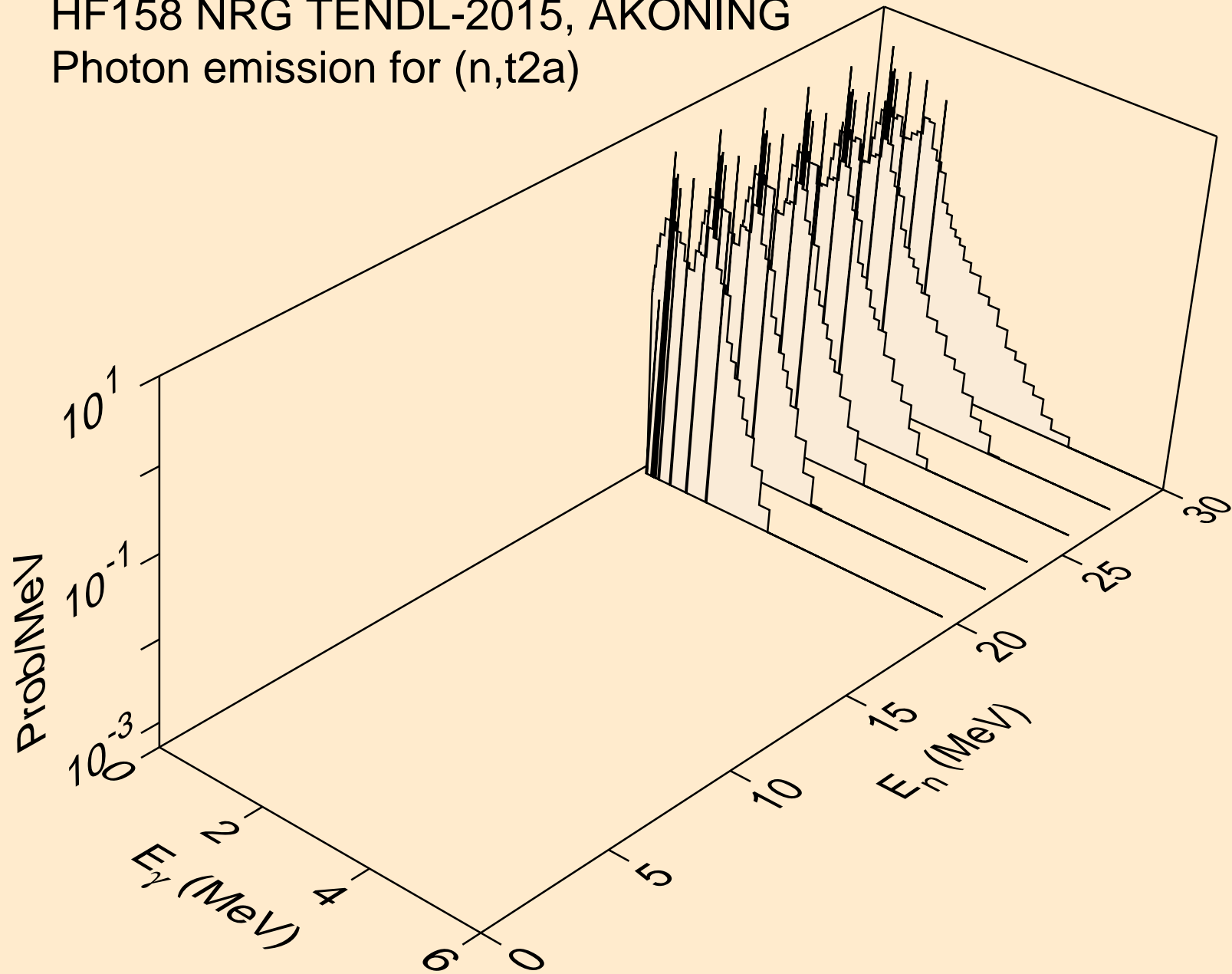
HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,2p)



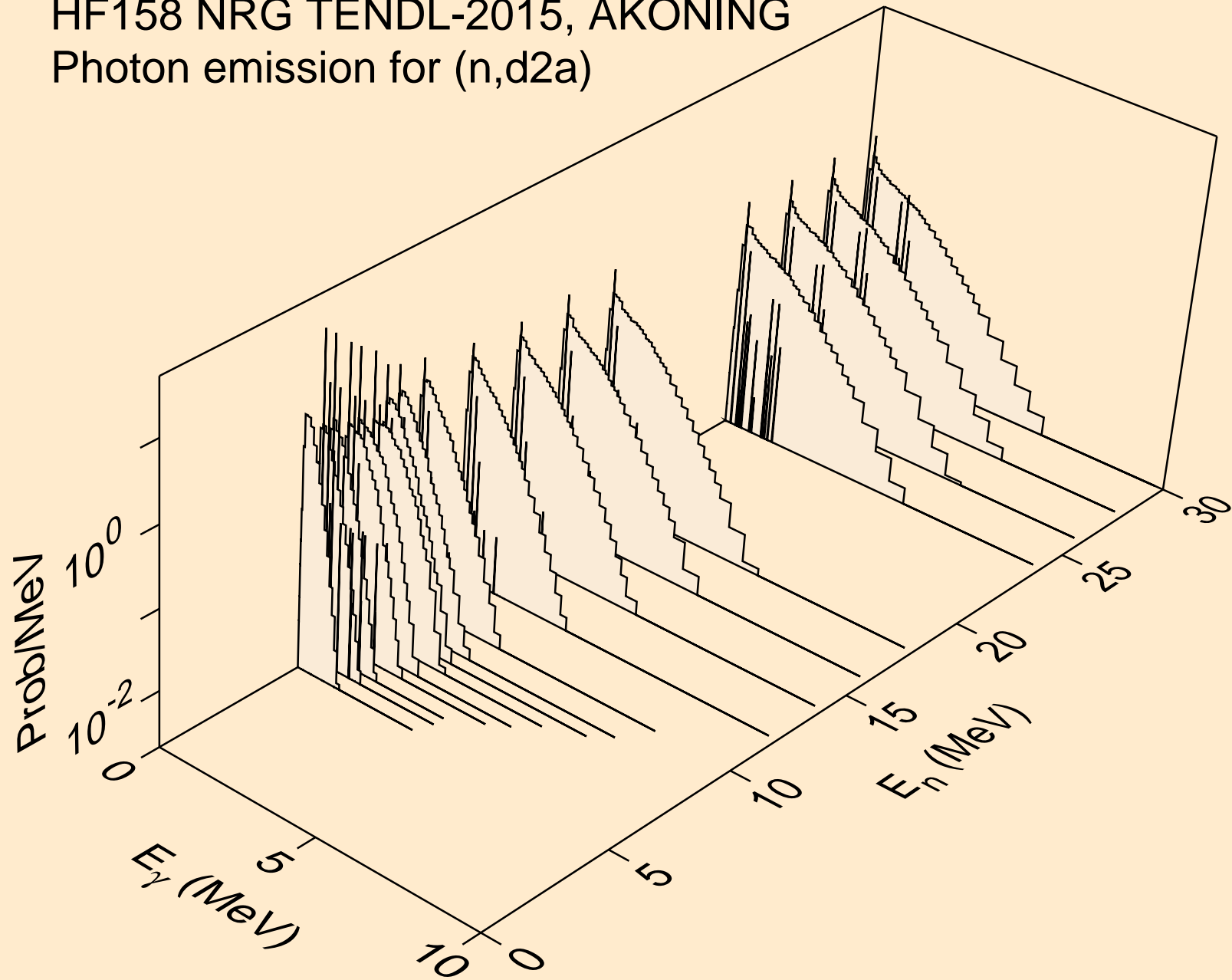
HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,p $\alpha$ )



HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,t2a)

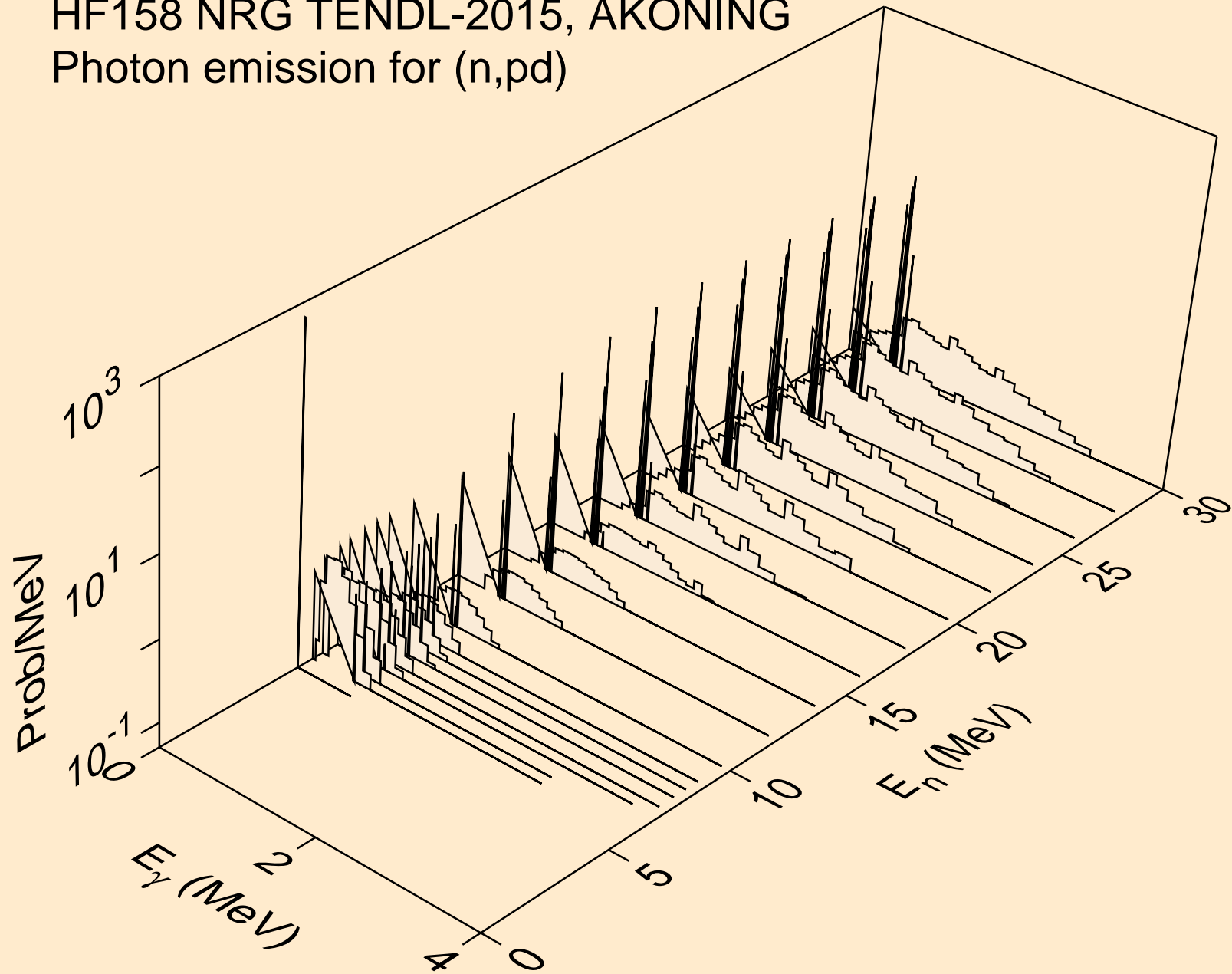


HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,d2a)

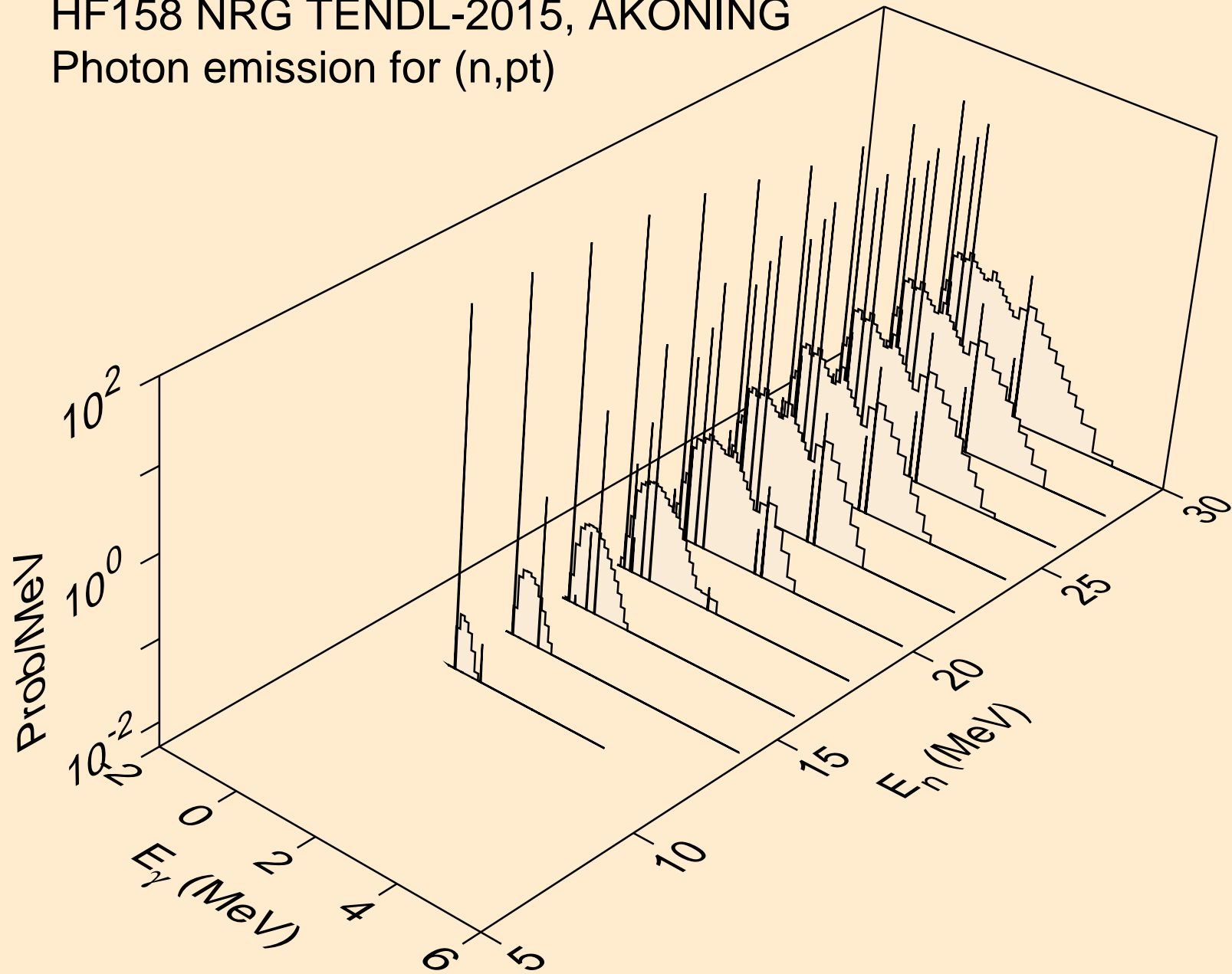




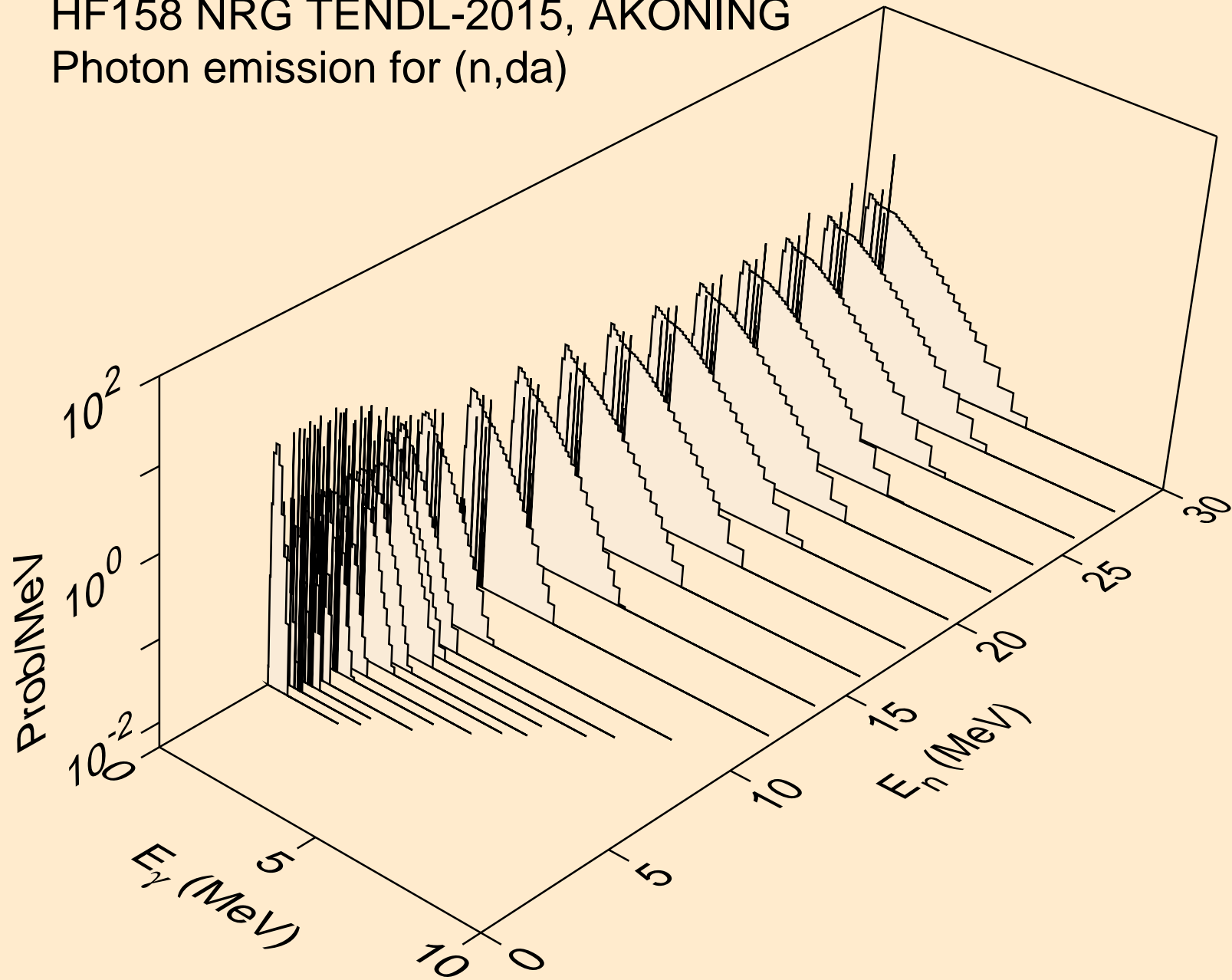
HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,pd)



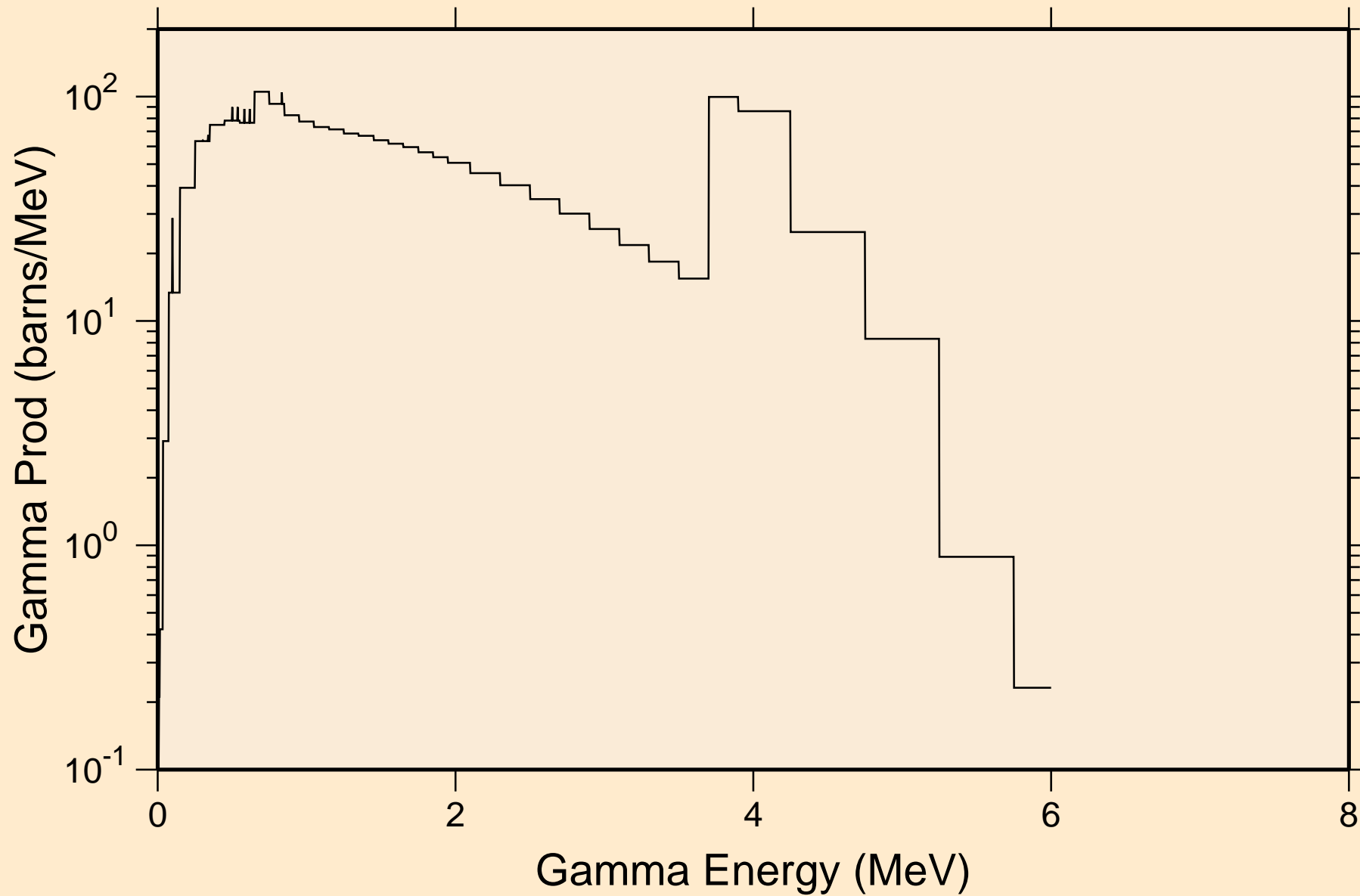
HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,pt)



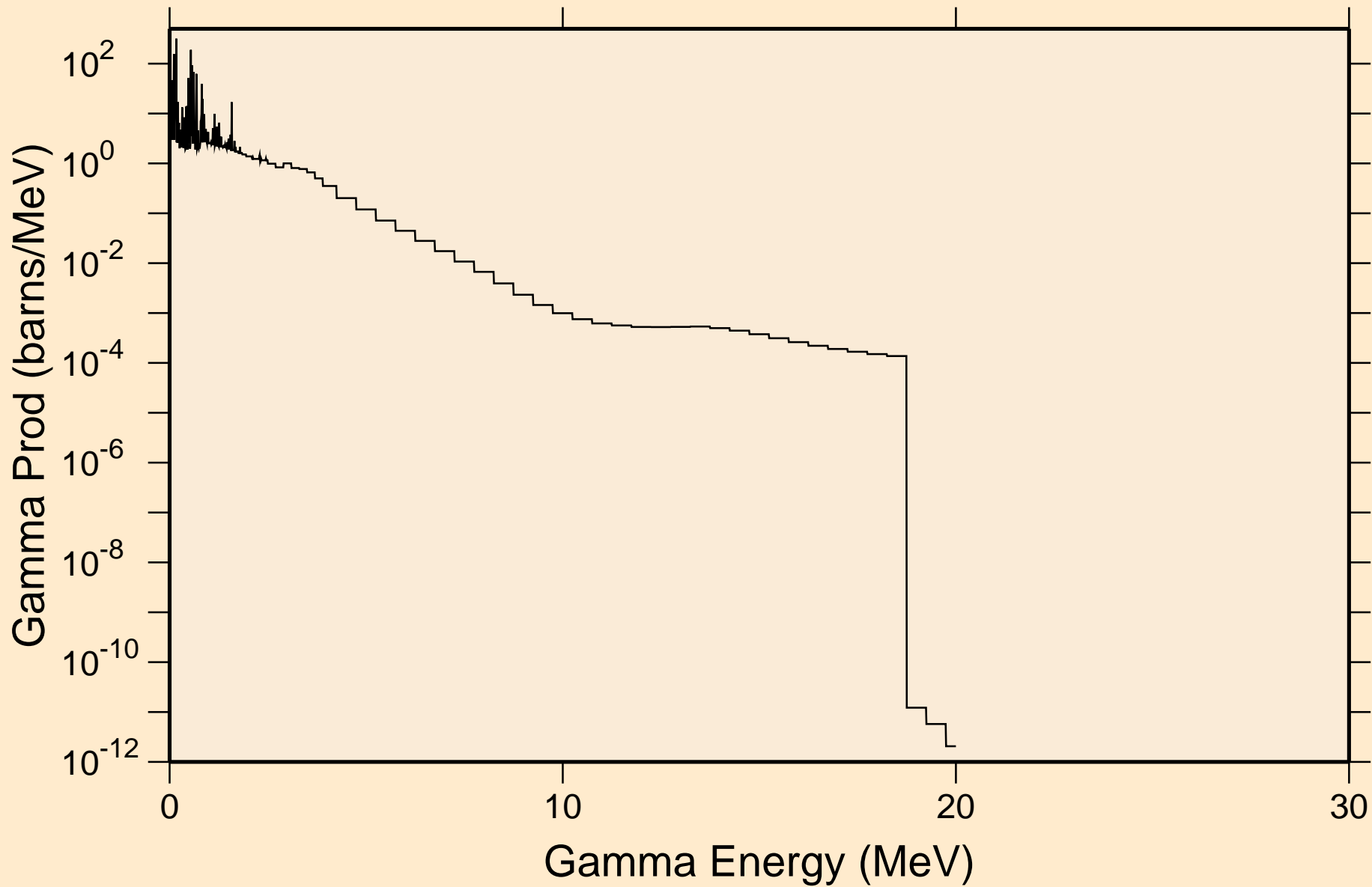
HF158 NRG TENDL-2015, AKONING  
Photon emission for (n,da)



HF158 NRG TENDL-2015, AKONING  
thermal capture photon spectrum

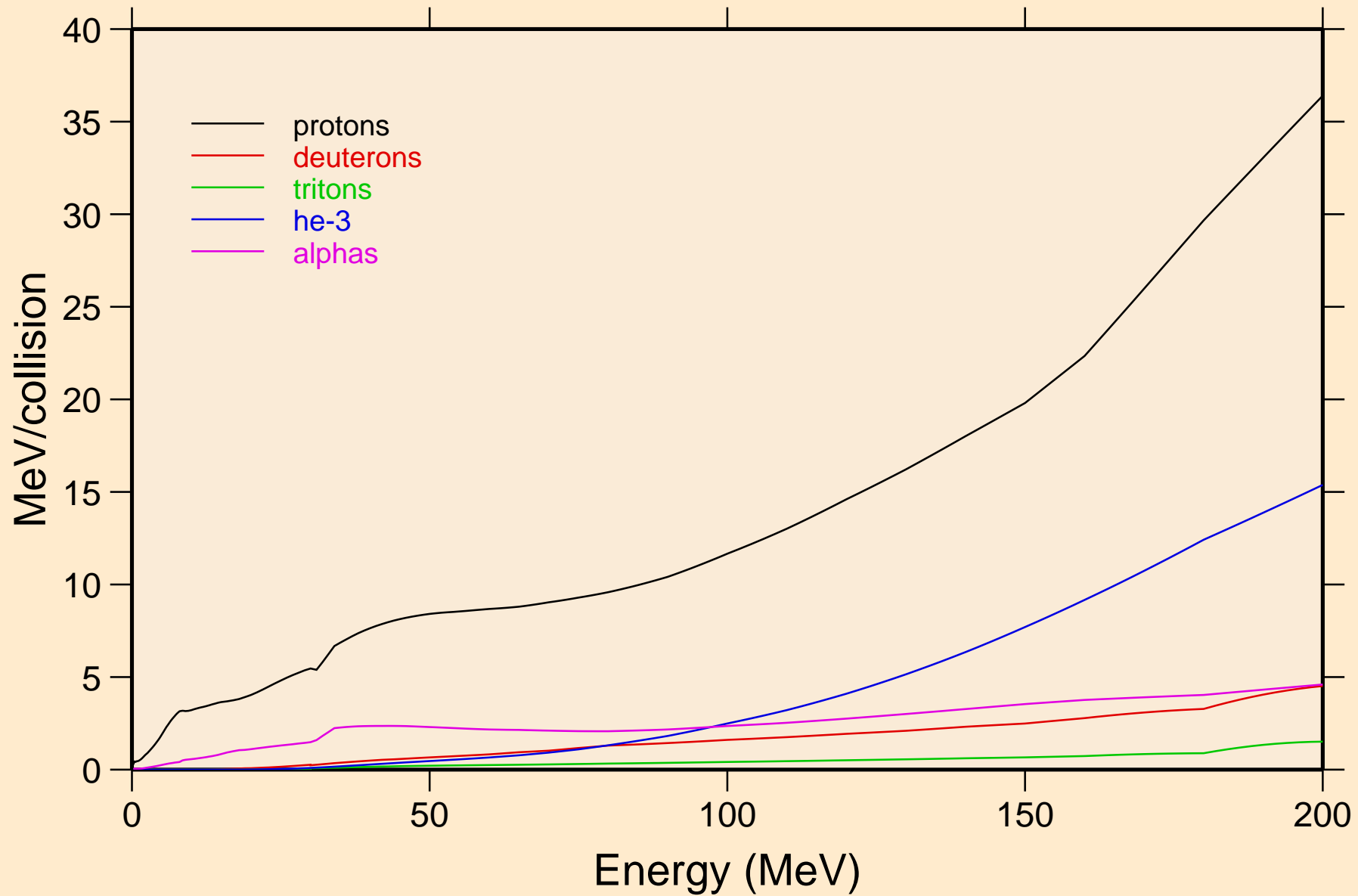


HF158 NRG TENDL-2015, AKONING  
14 MeV photon spectrum



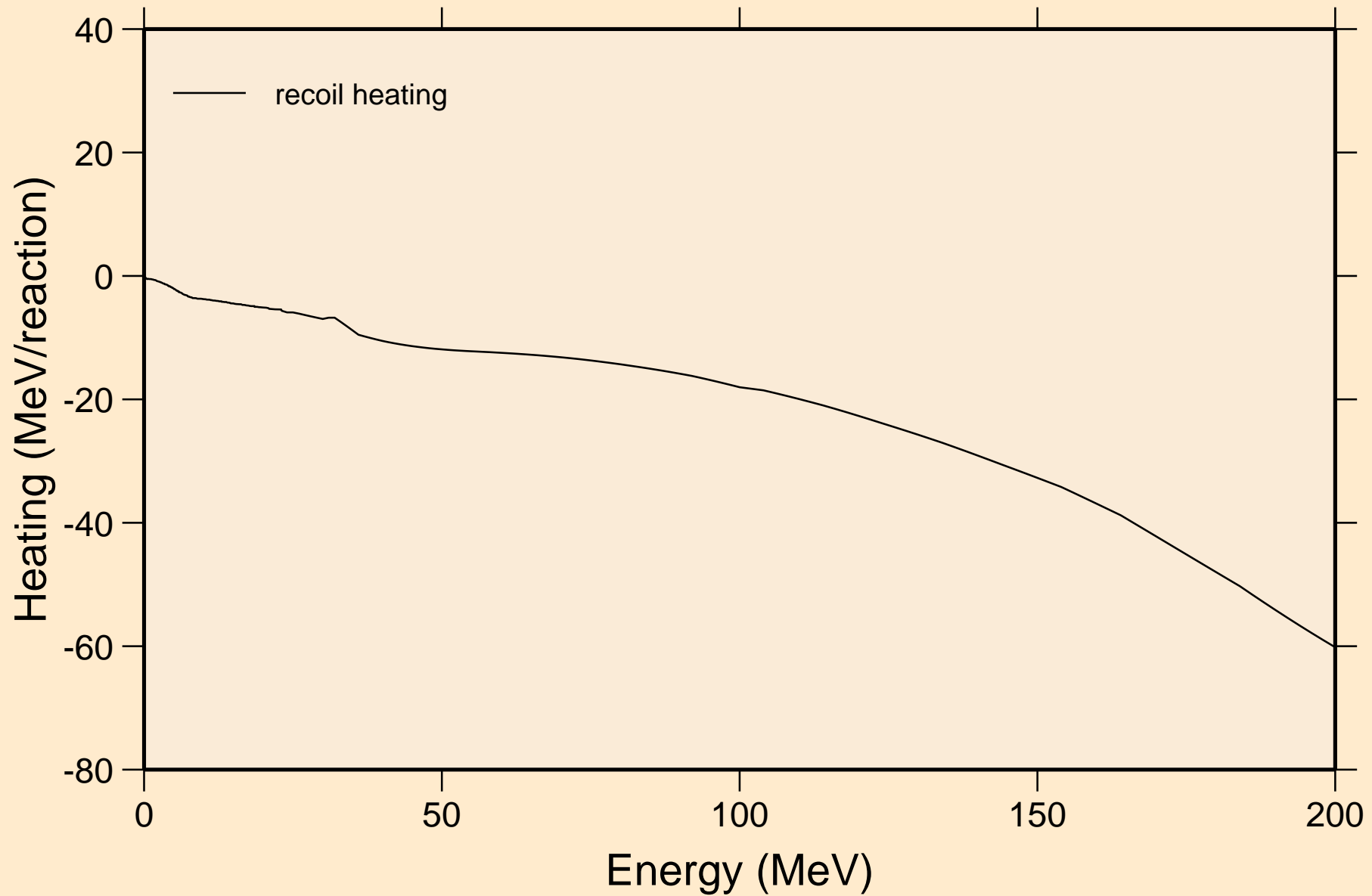
# HF158 NRG TENDL-2015, AKONING

## Particle heating contributions



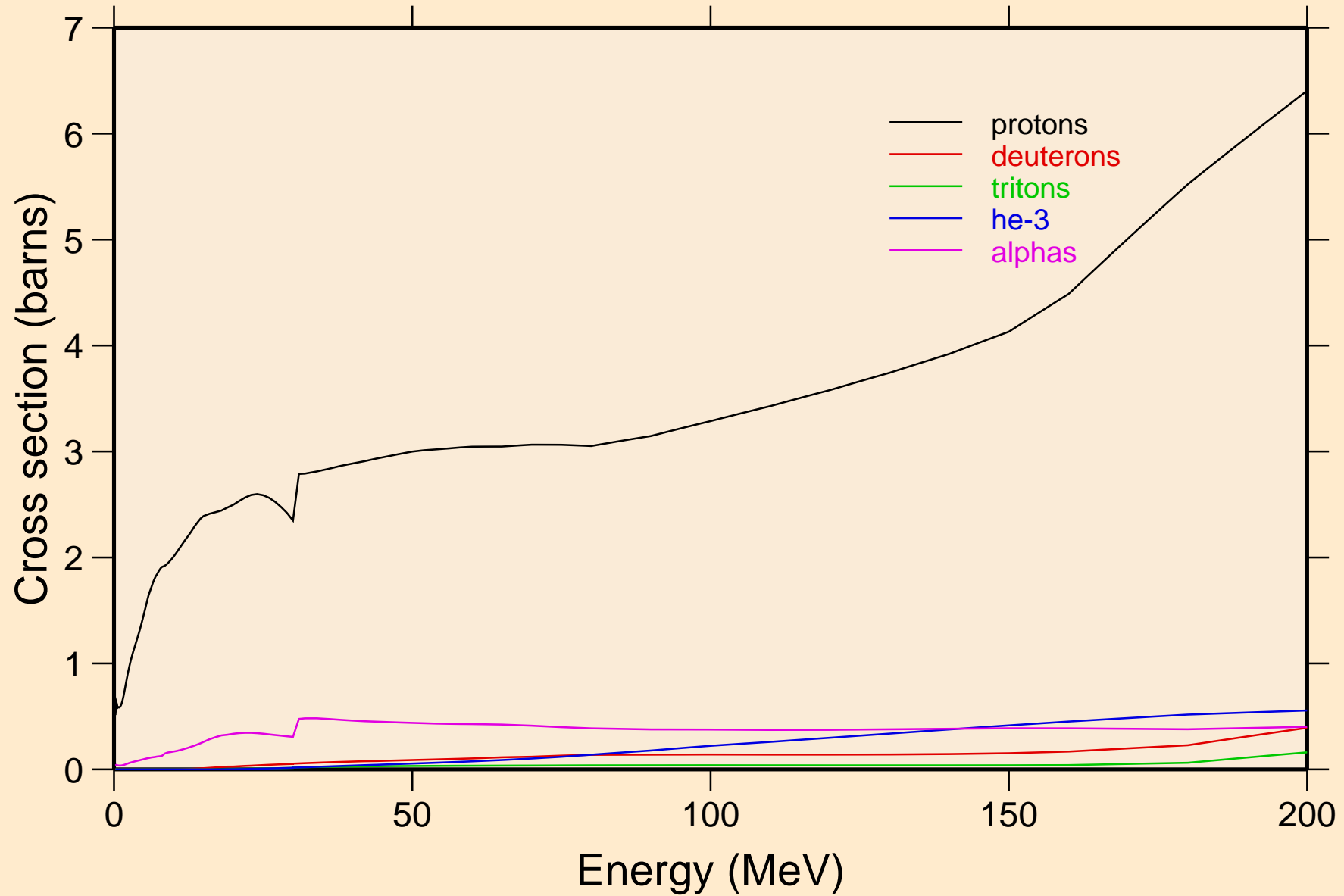
# HF158 NRG TENDL-2015, AKONING

## Recoil Heating



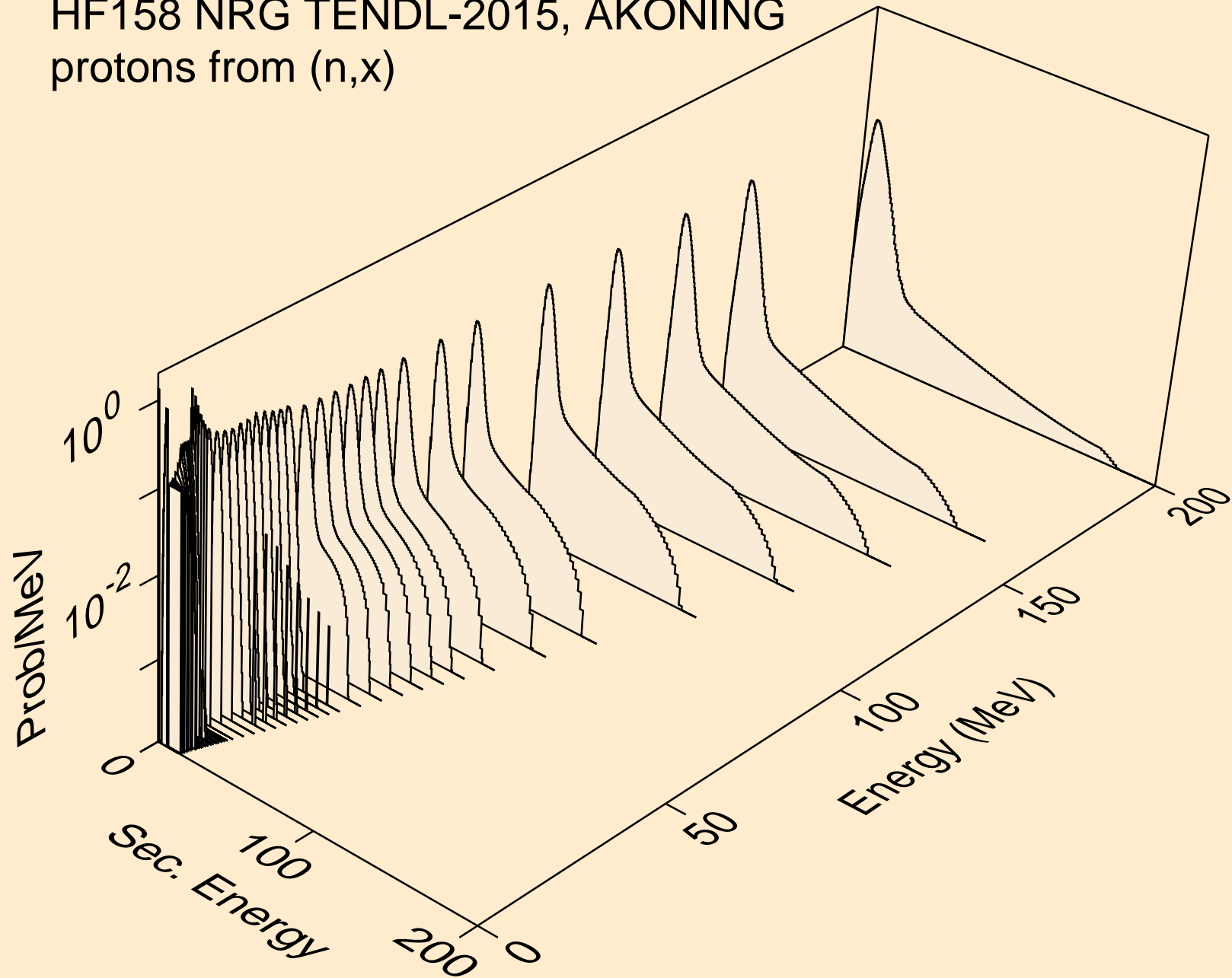
# HF158 NRG TENDL-2015, AKONING

## Particle production cross sections

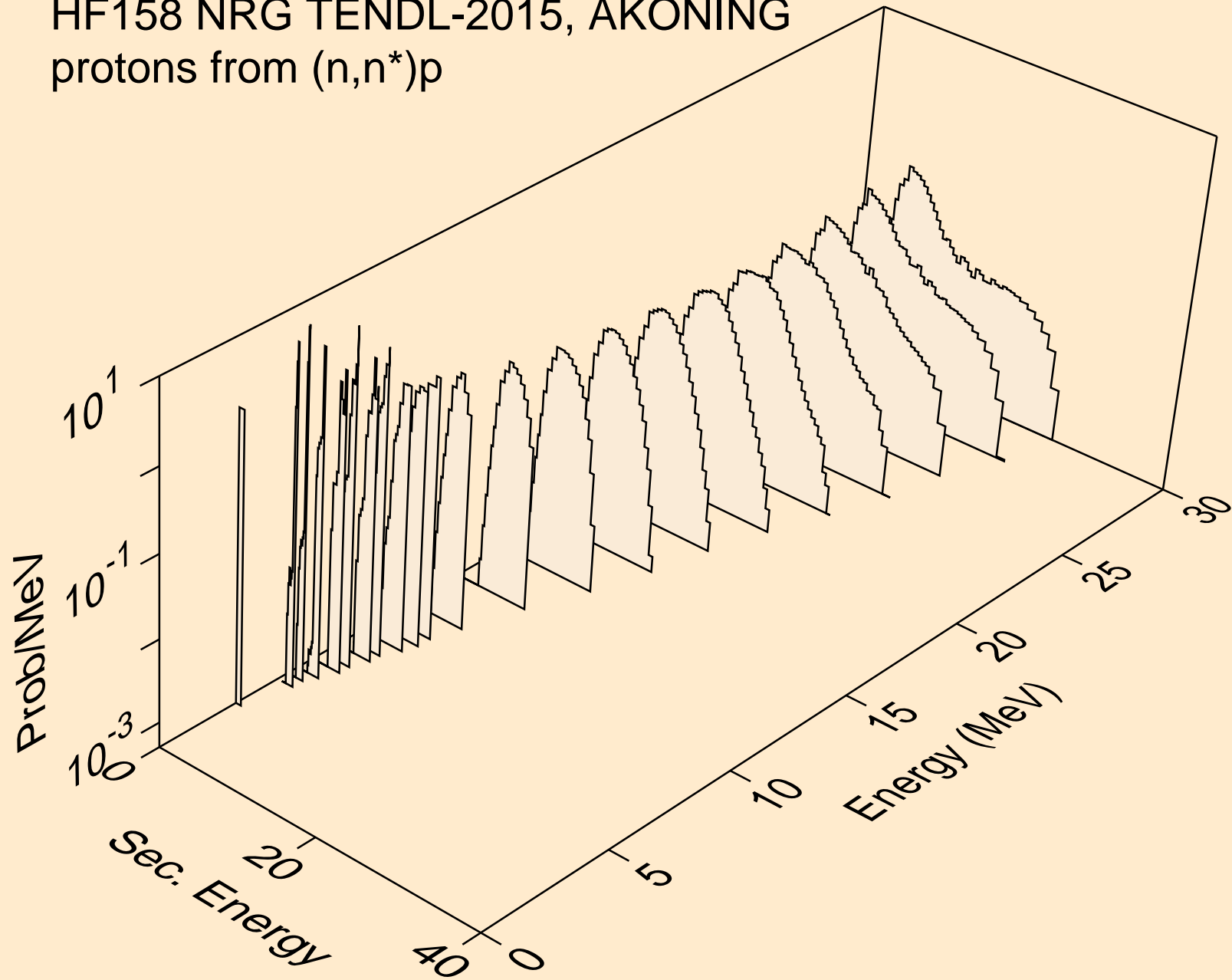




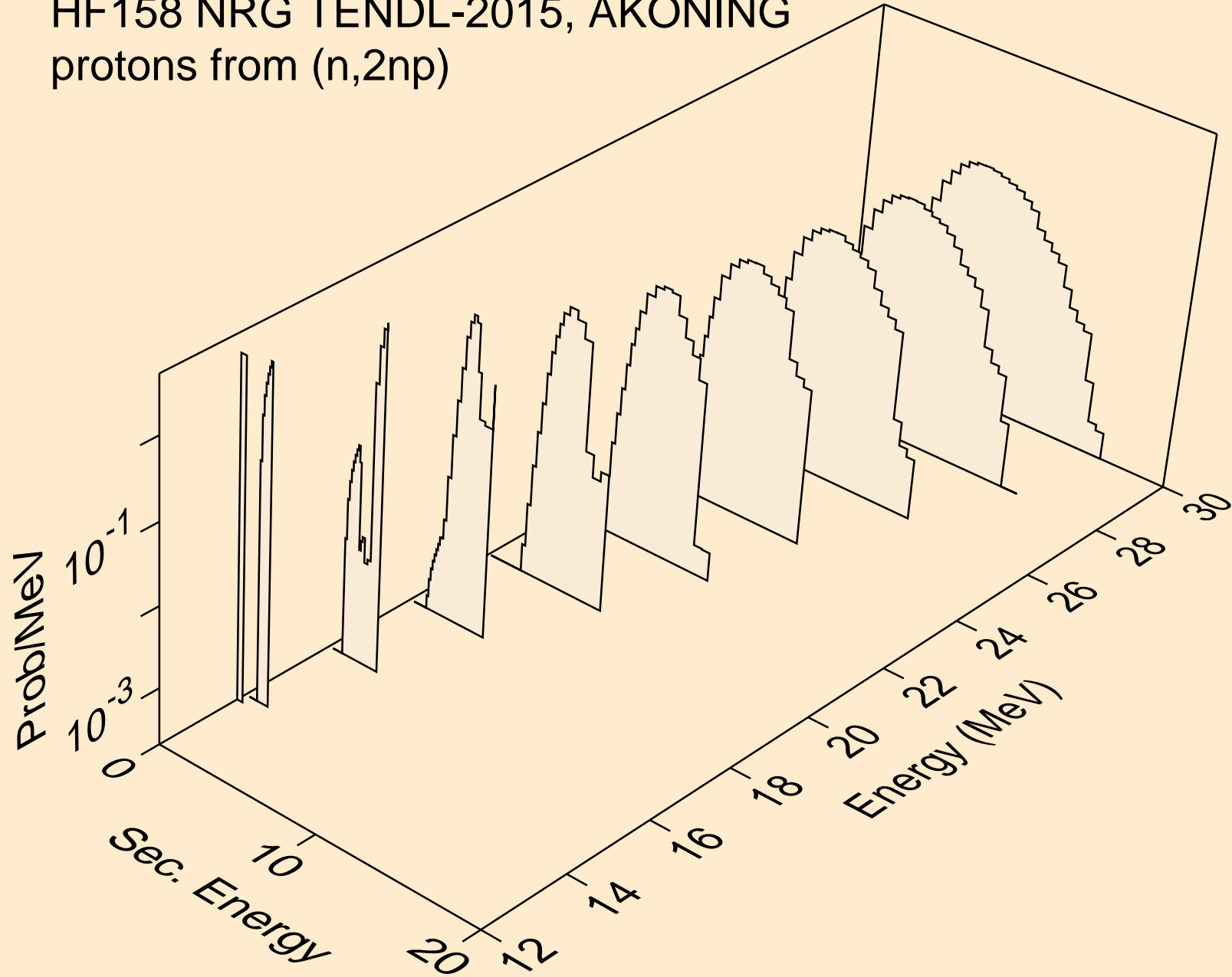
HF158 NRG TENDL-2015, AKONING  
protons from (n,x)



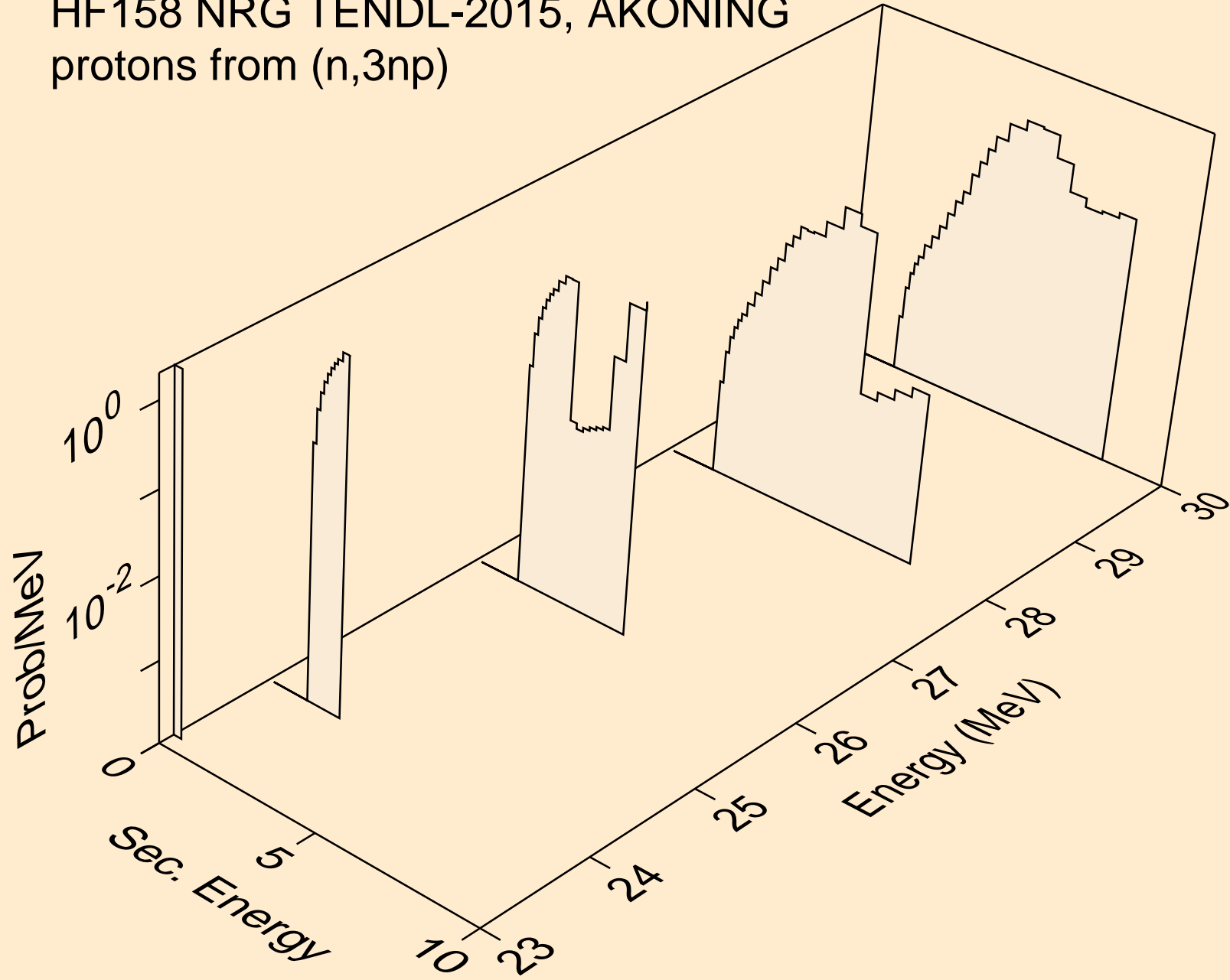
HF158 NRG TENDL-2015, AKONING  
protons from (n,n\*)p



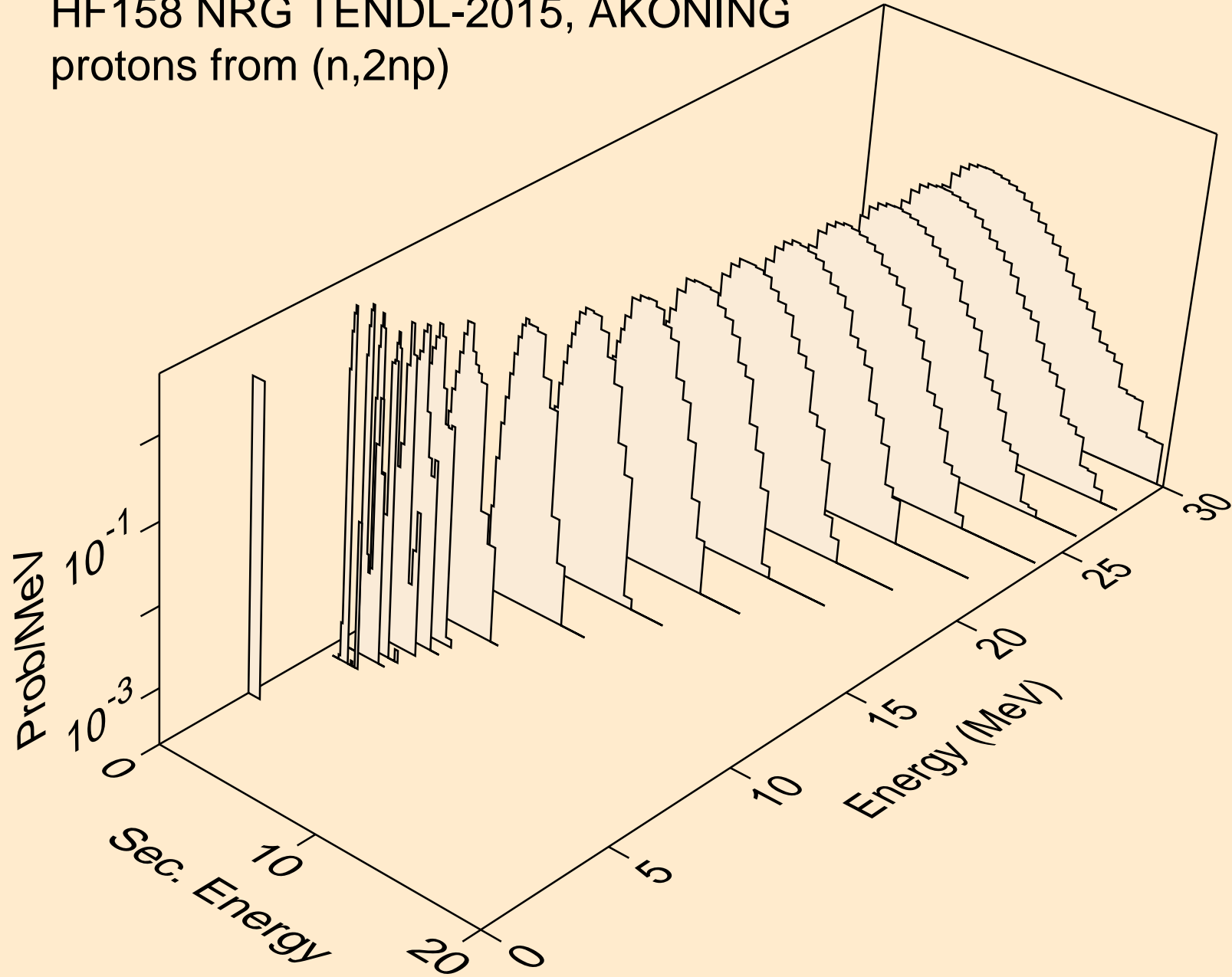
HF158 NRG TENDL-2015, AKONING  
protons from (n,2np)



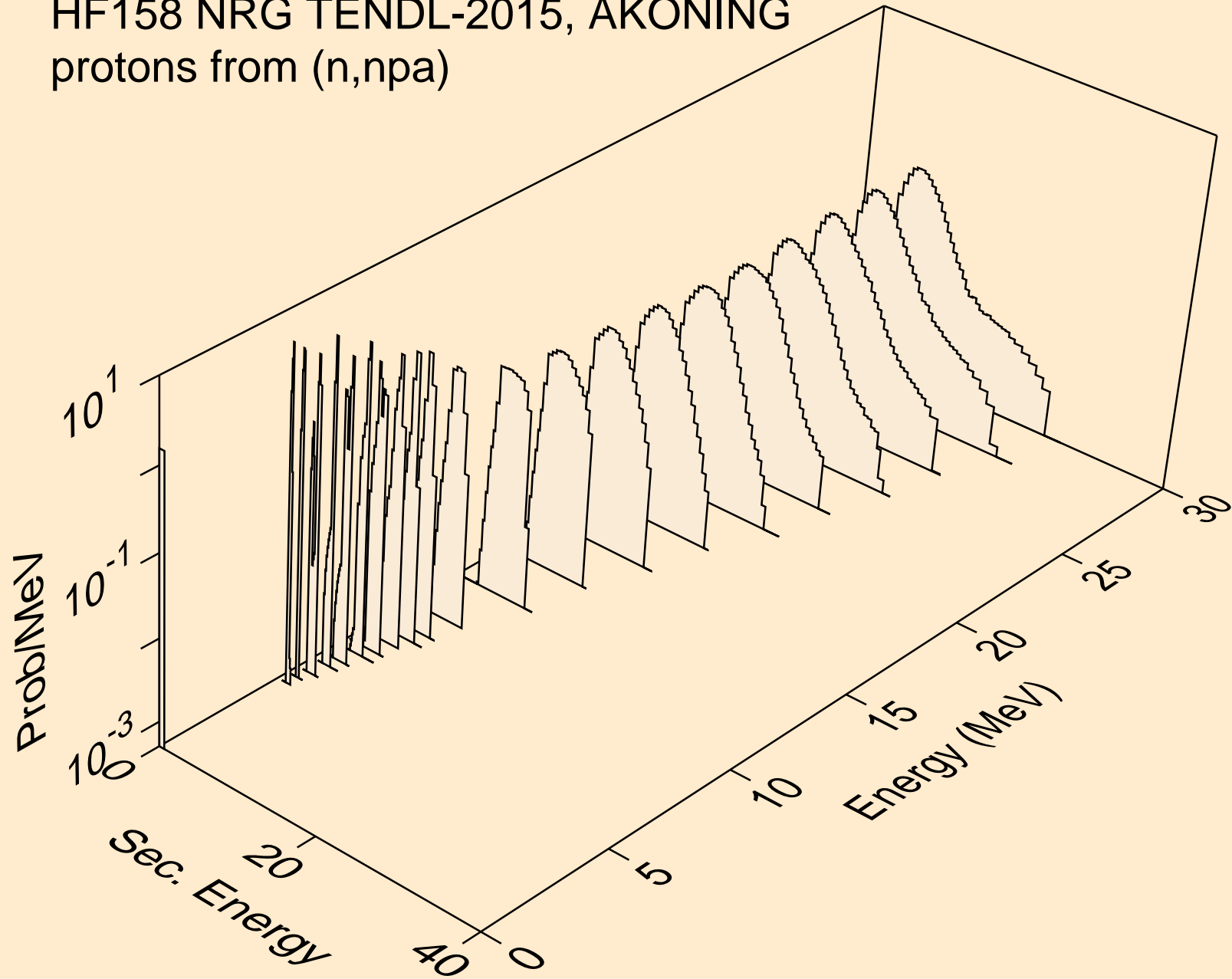
HF158 NRG TENDL-2015, AKONING  
protons from (n,3np)



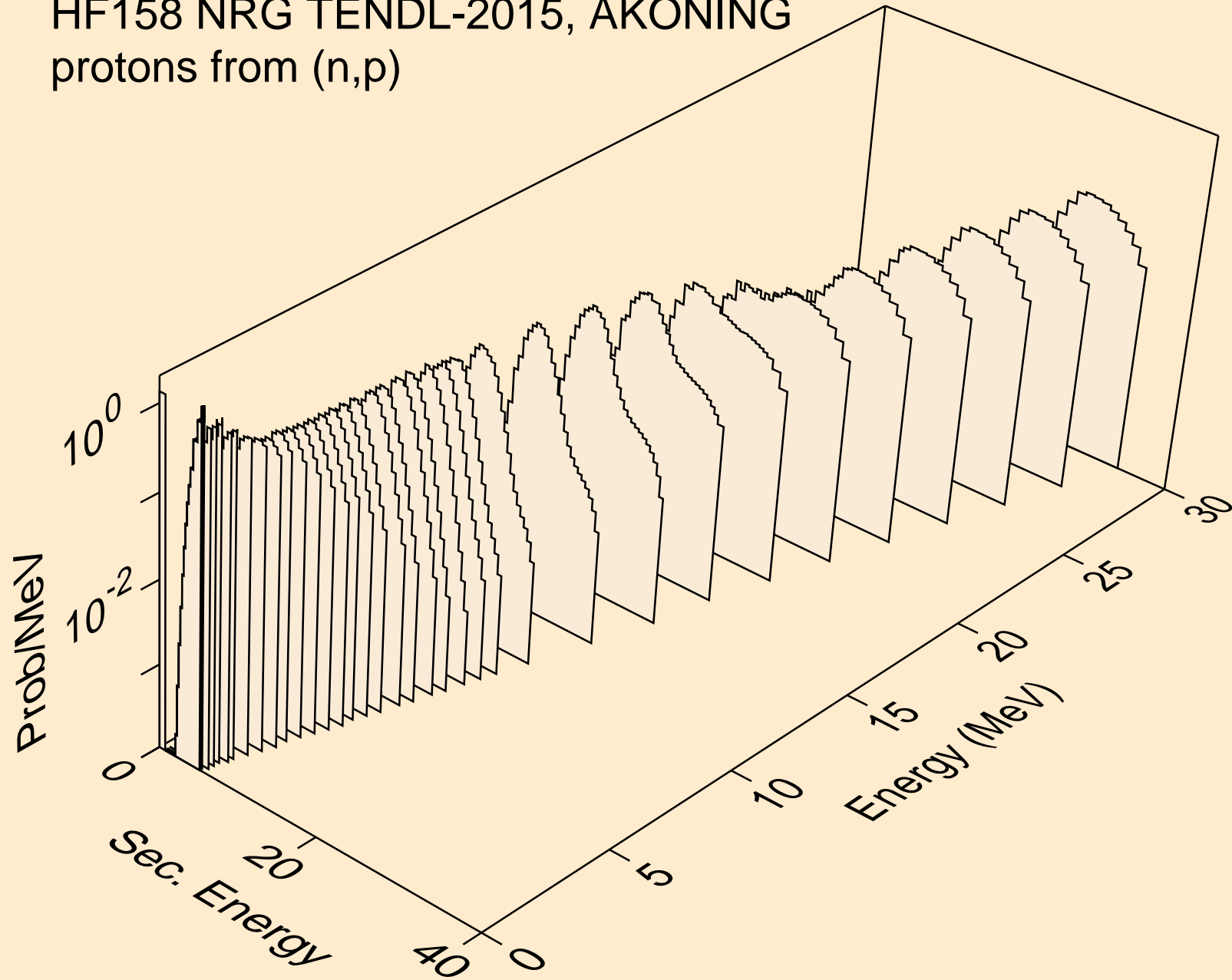
HF158 NRG TENDL-2015, AKONING  
protons from (n,2np)



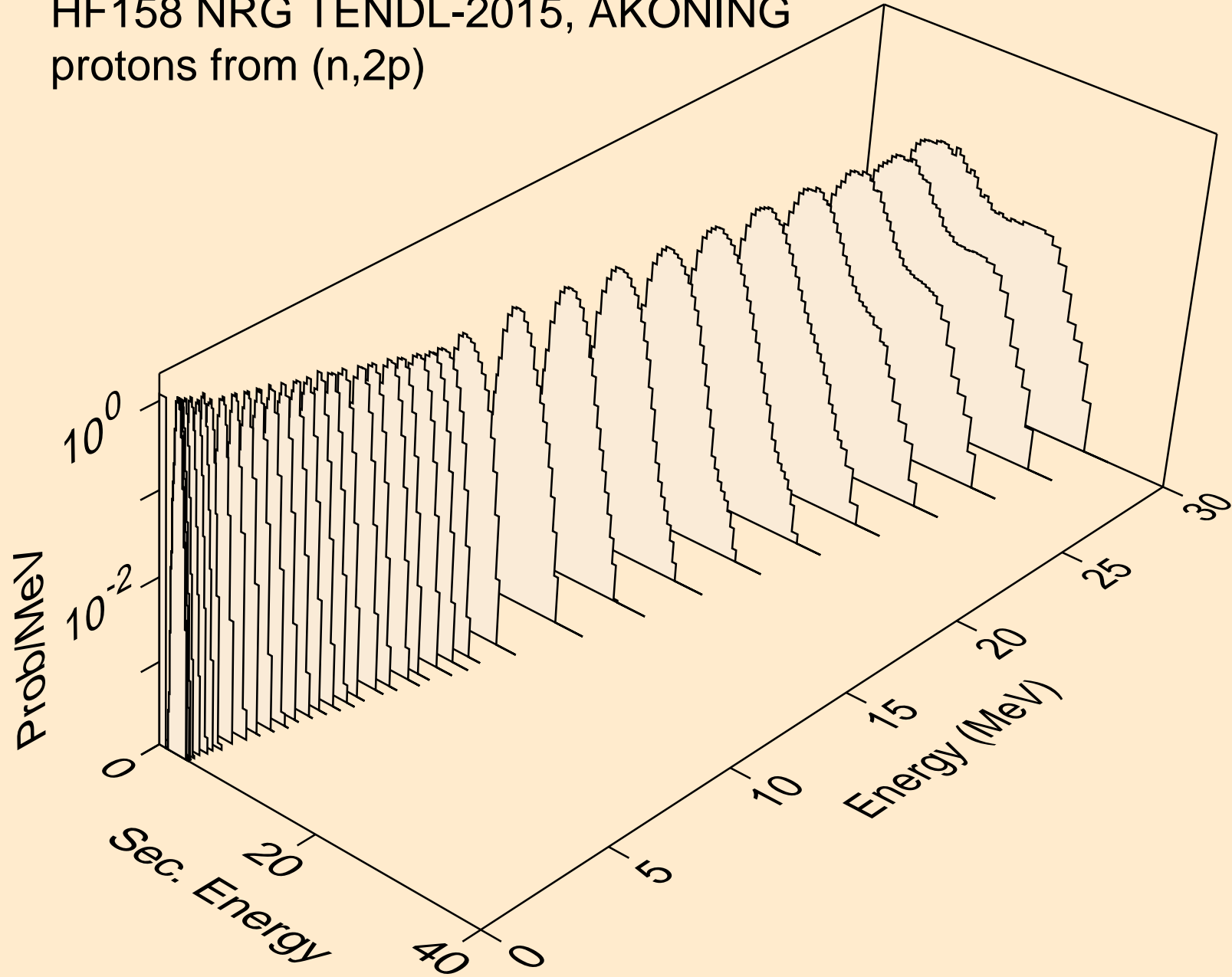
HF158 NRG TENDL-2015, AKONING  
protons from (n,npa)



HF158 NRG TENDL-2015, AKONING  
protons from (n,p)

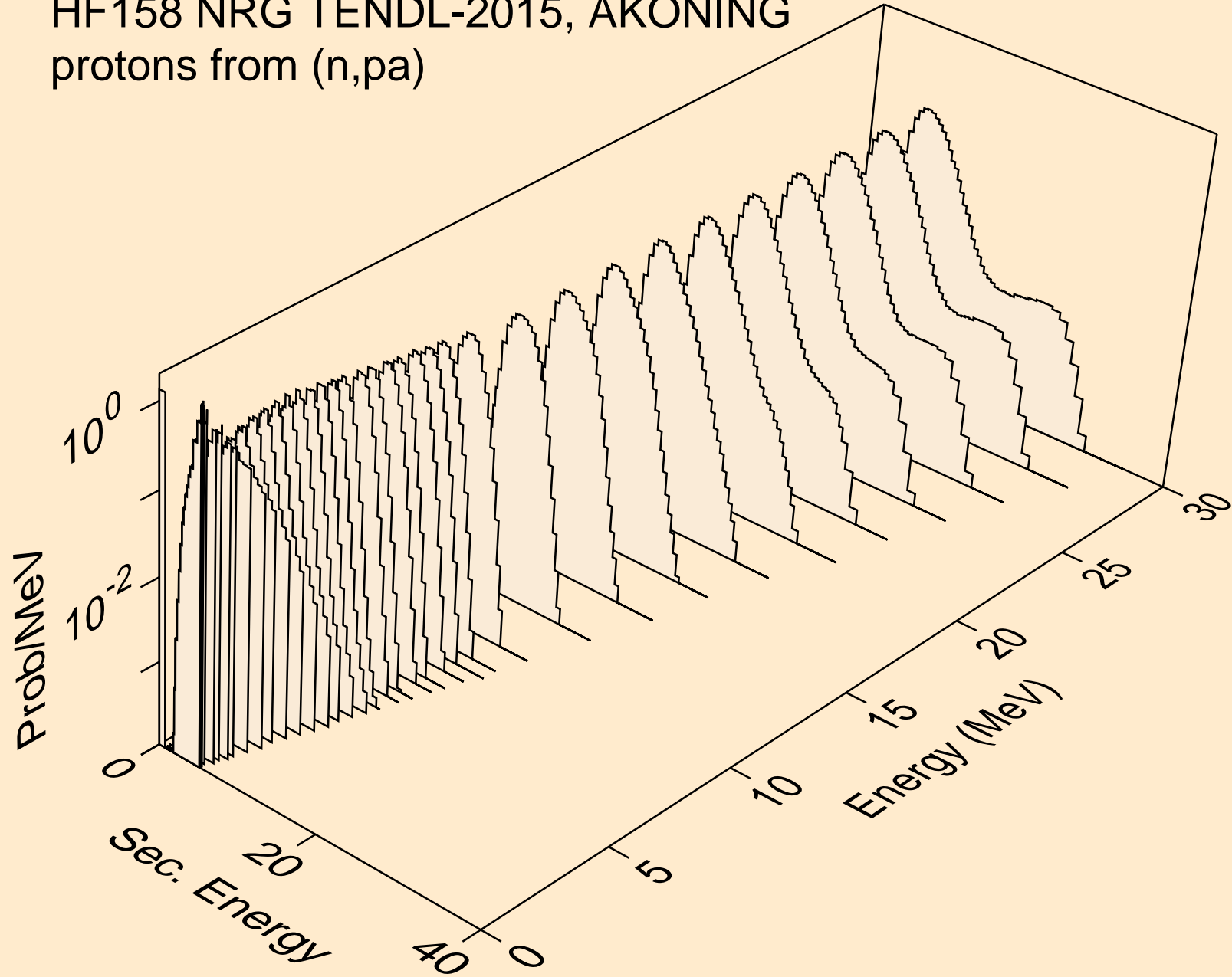


HF158 NRG TENDL-2015, AKONING  
protons from (n,2p)

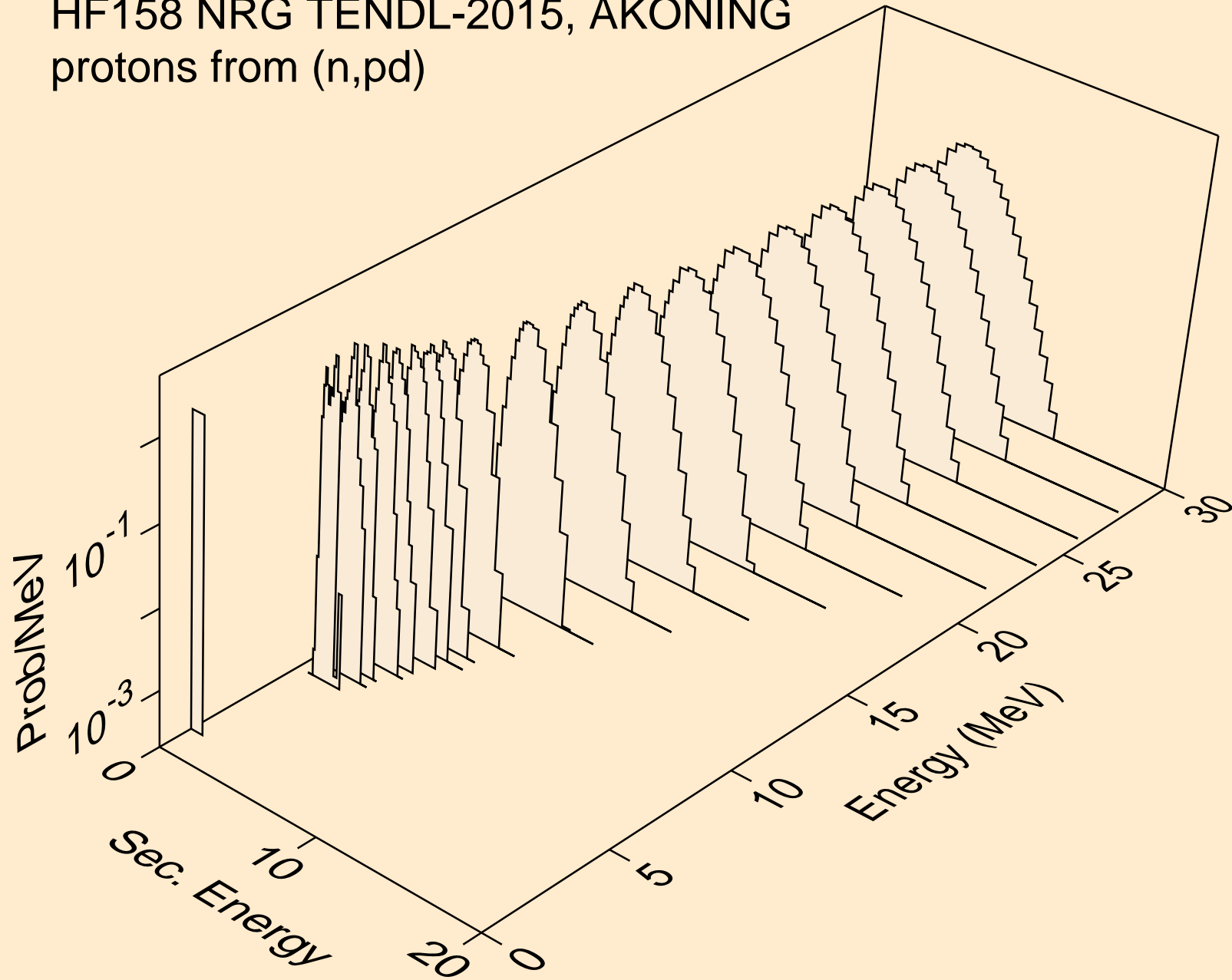




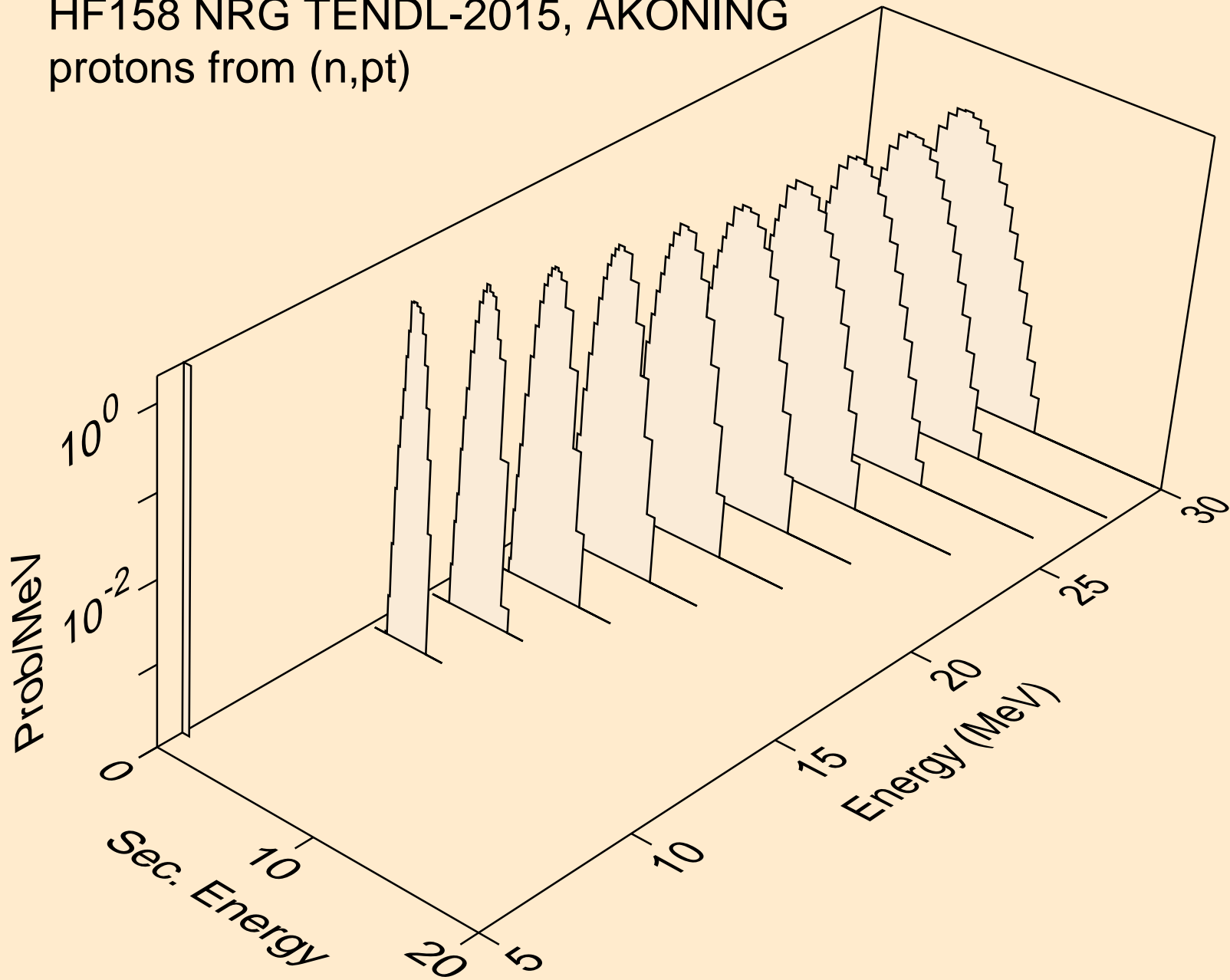
HF158 NRG TENDL-2015, AKONING  
protons from (n,pa)



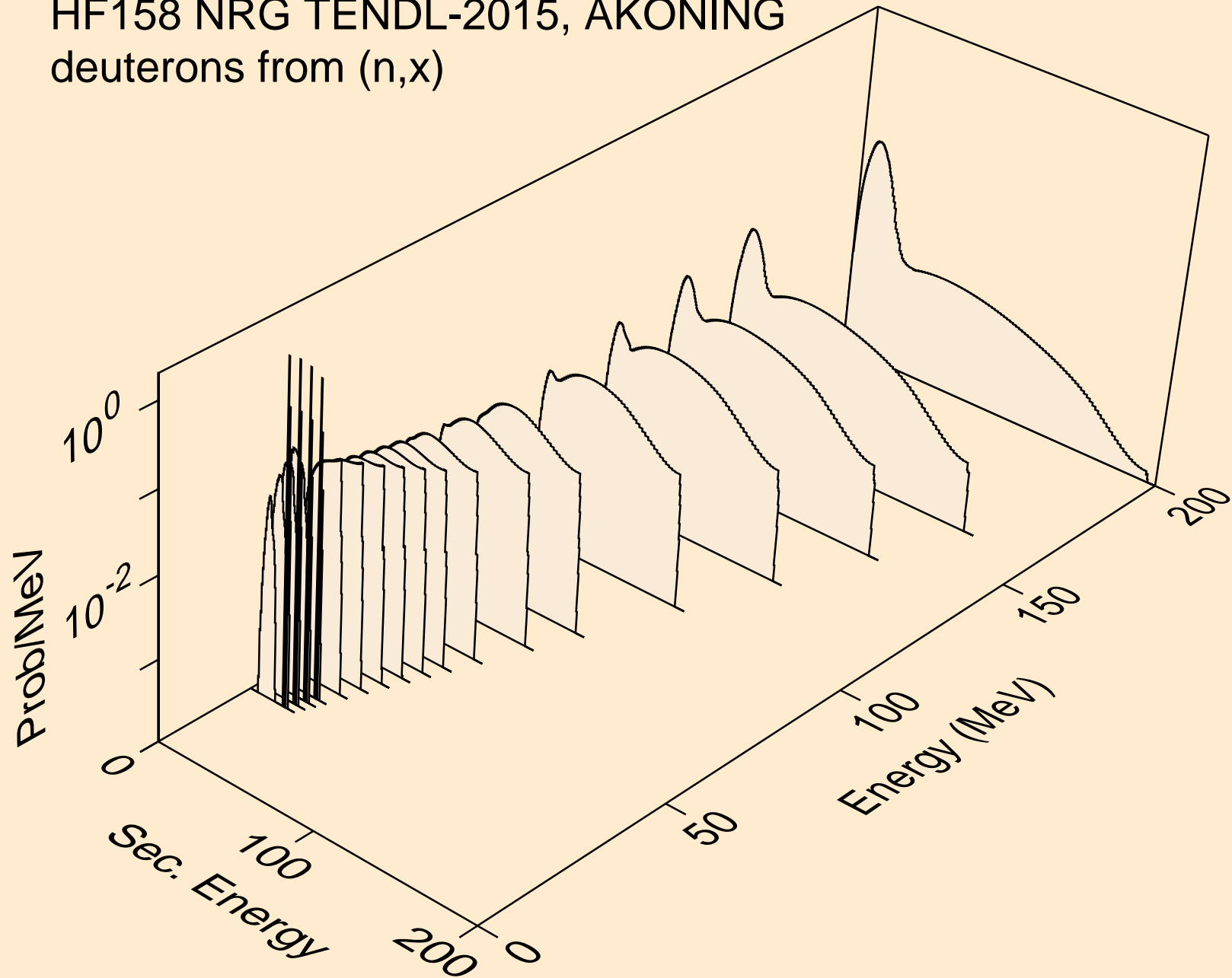
HF158 NRG TENDL-2015, AKONING  
protons from (n,pd)



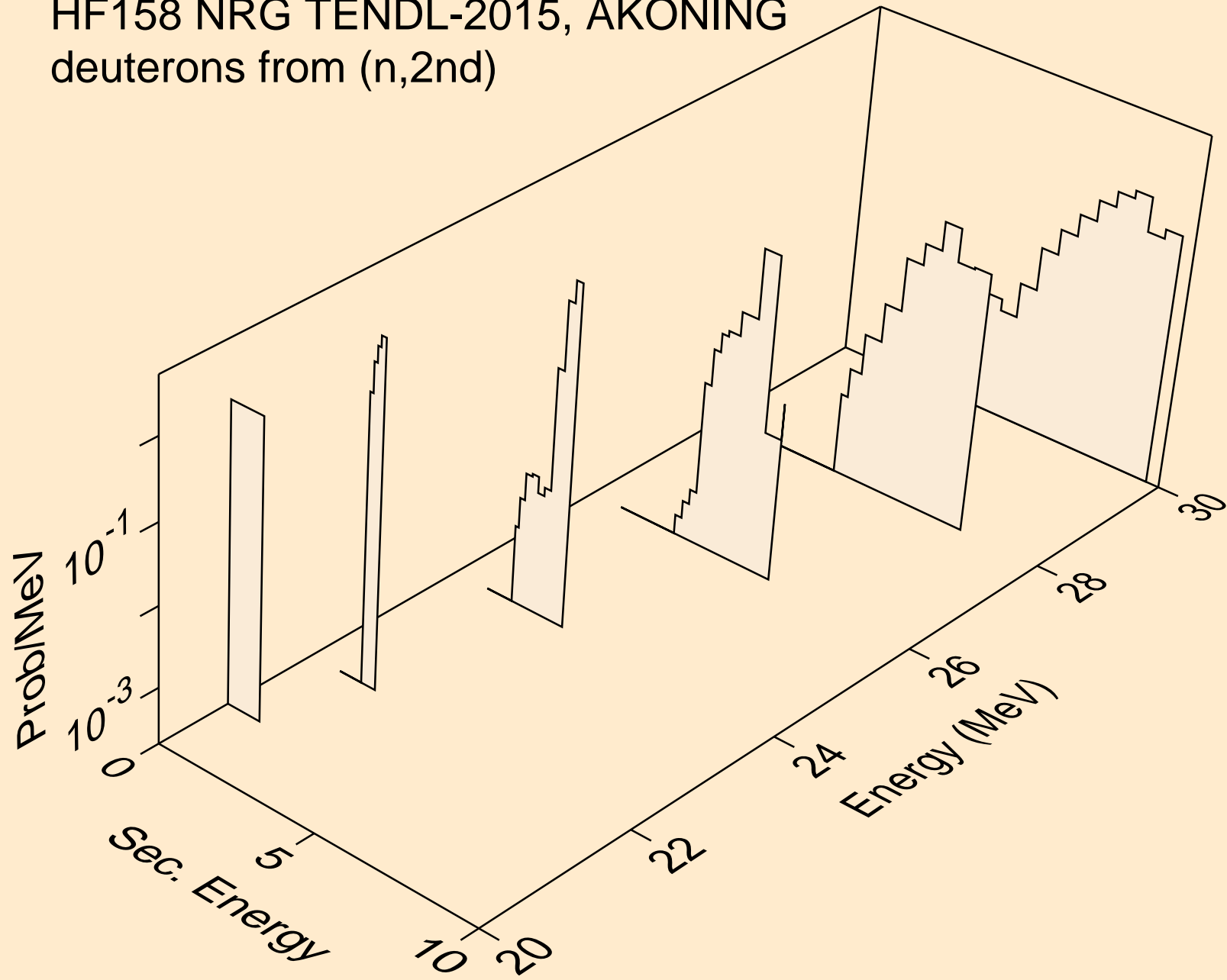
HF158 NRG TENDL-2015, AKONING  
protons from (n,pt)



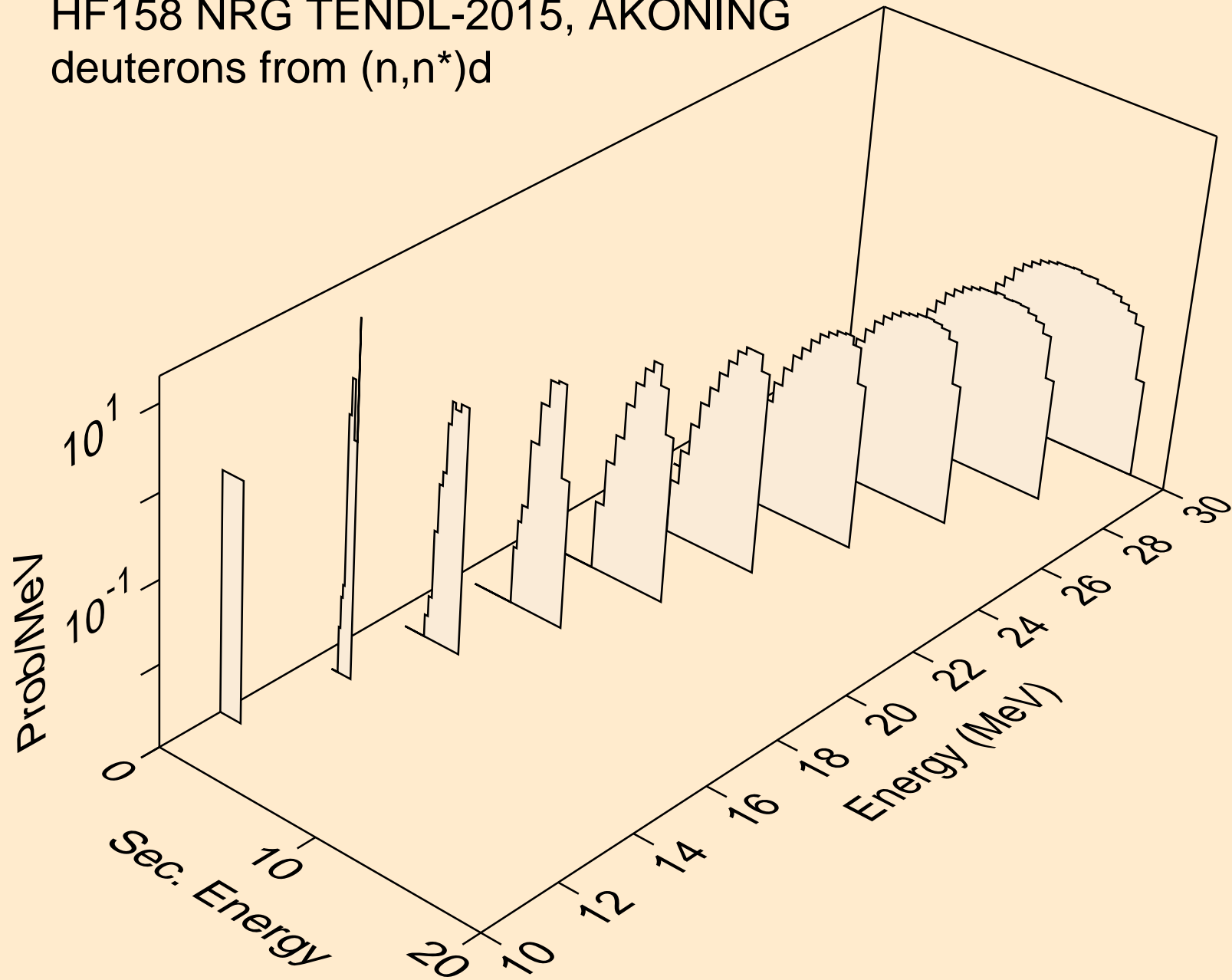
HF158 NRG TENDL-2015, AKONING  
deuterons from (n,x)



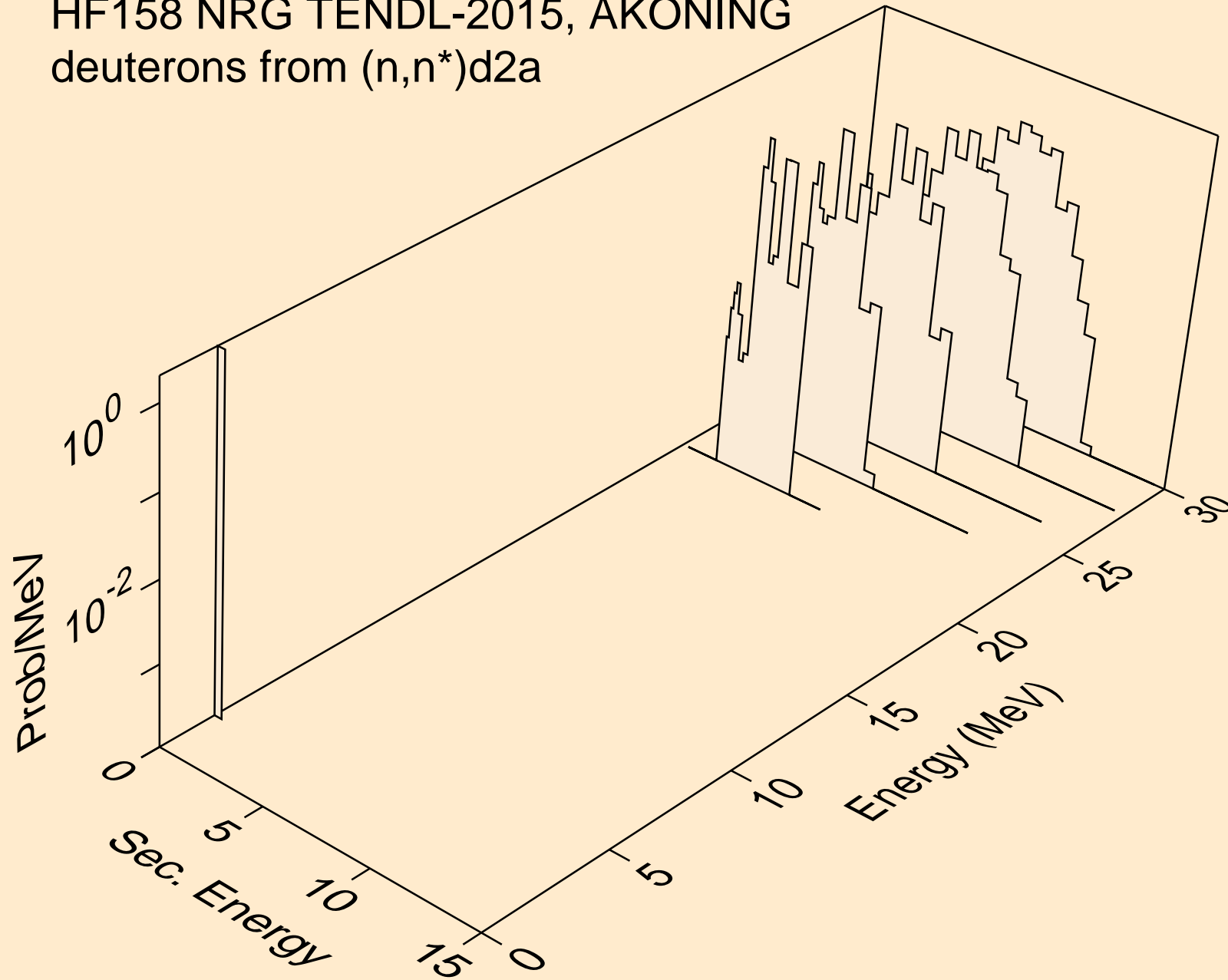
HF158 NRG TENDL-2015, AKONING  
deuterons from (n,2nd)



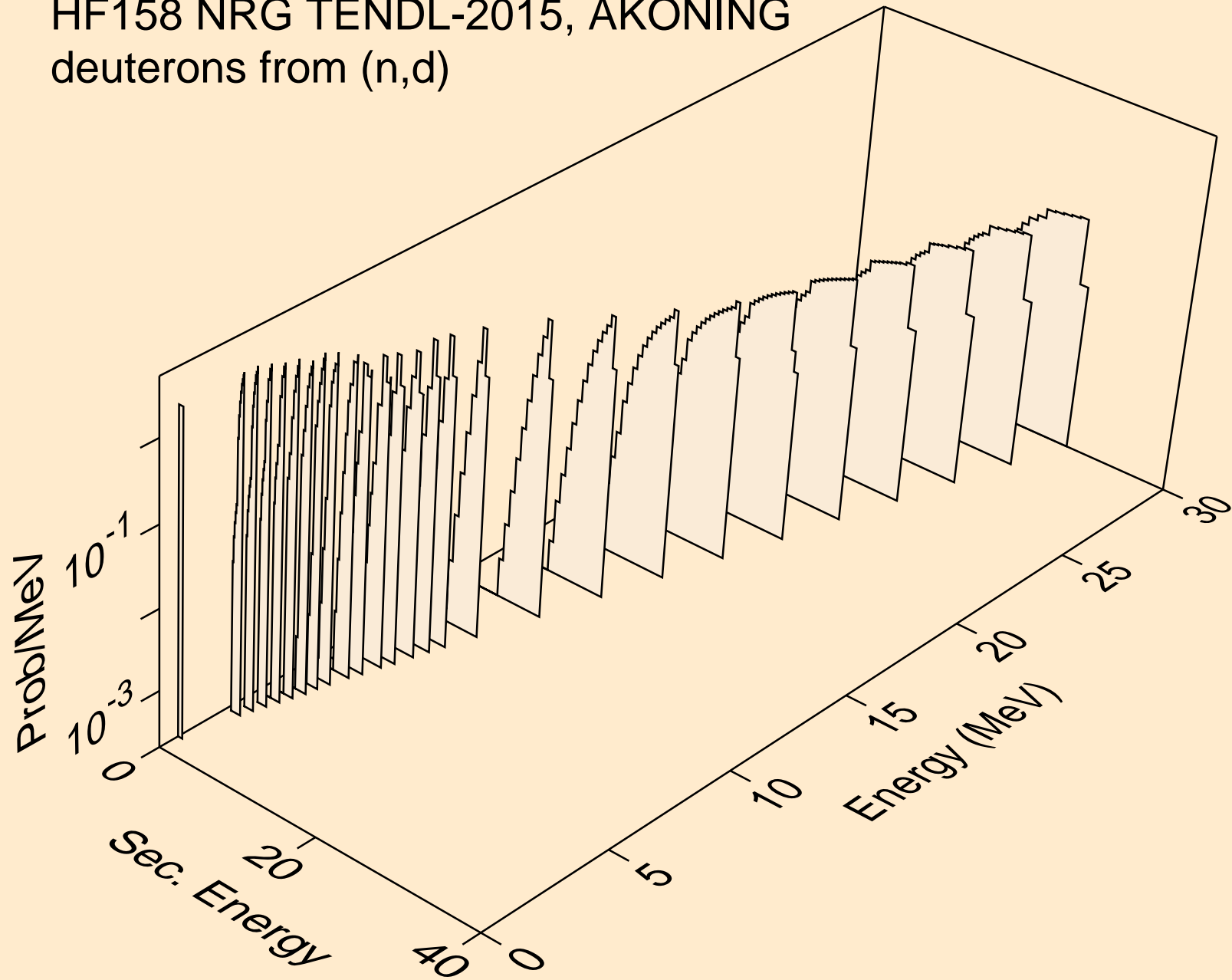
HF158 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d



HF158 NRG TENDL-2015, AKONING  
deuterons from (n,n\*)d2a

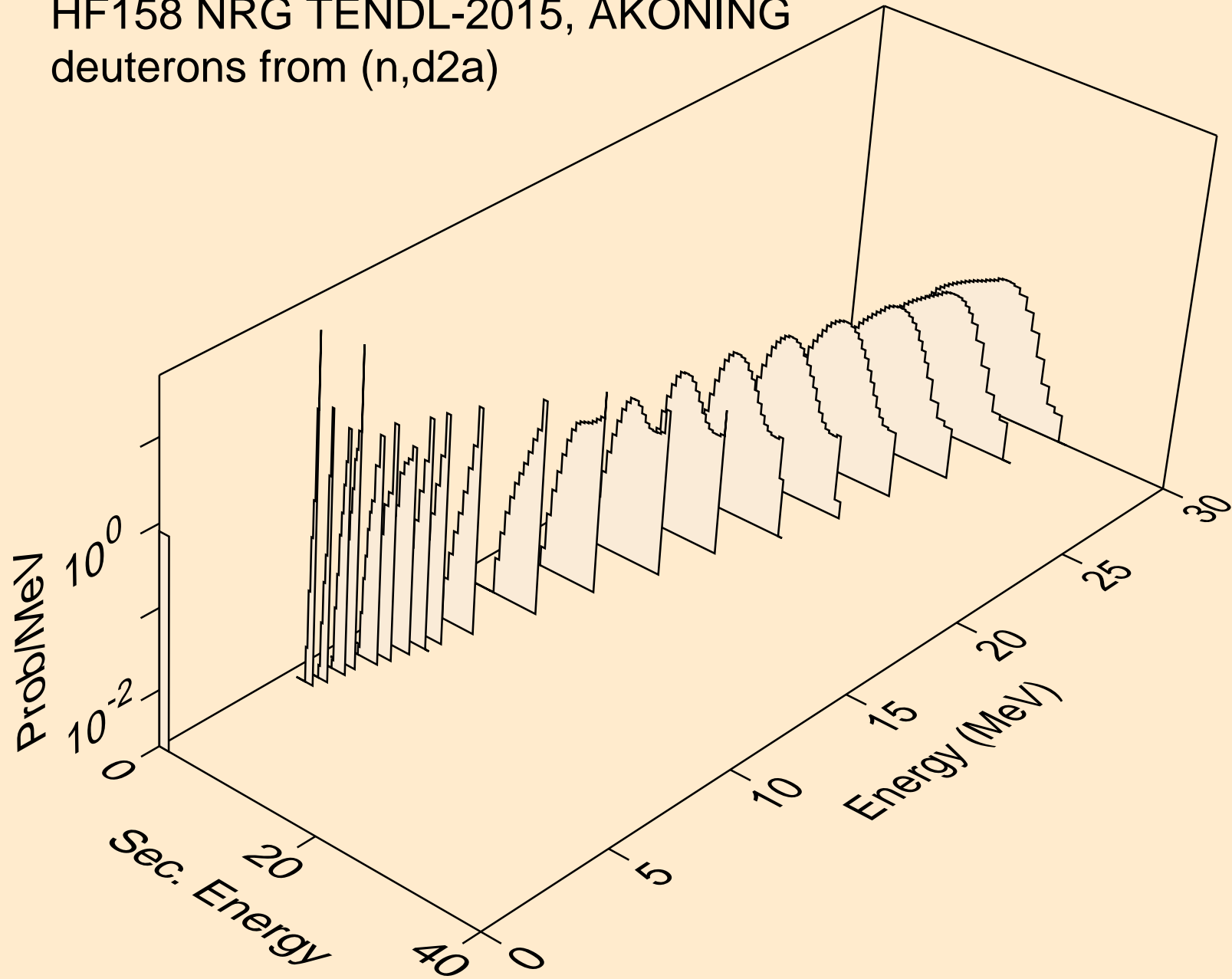


HF158 NRG TENDL-2015, AKONING  
deuterons from (n,d)

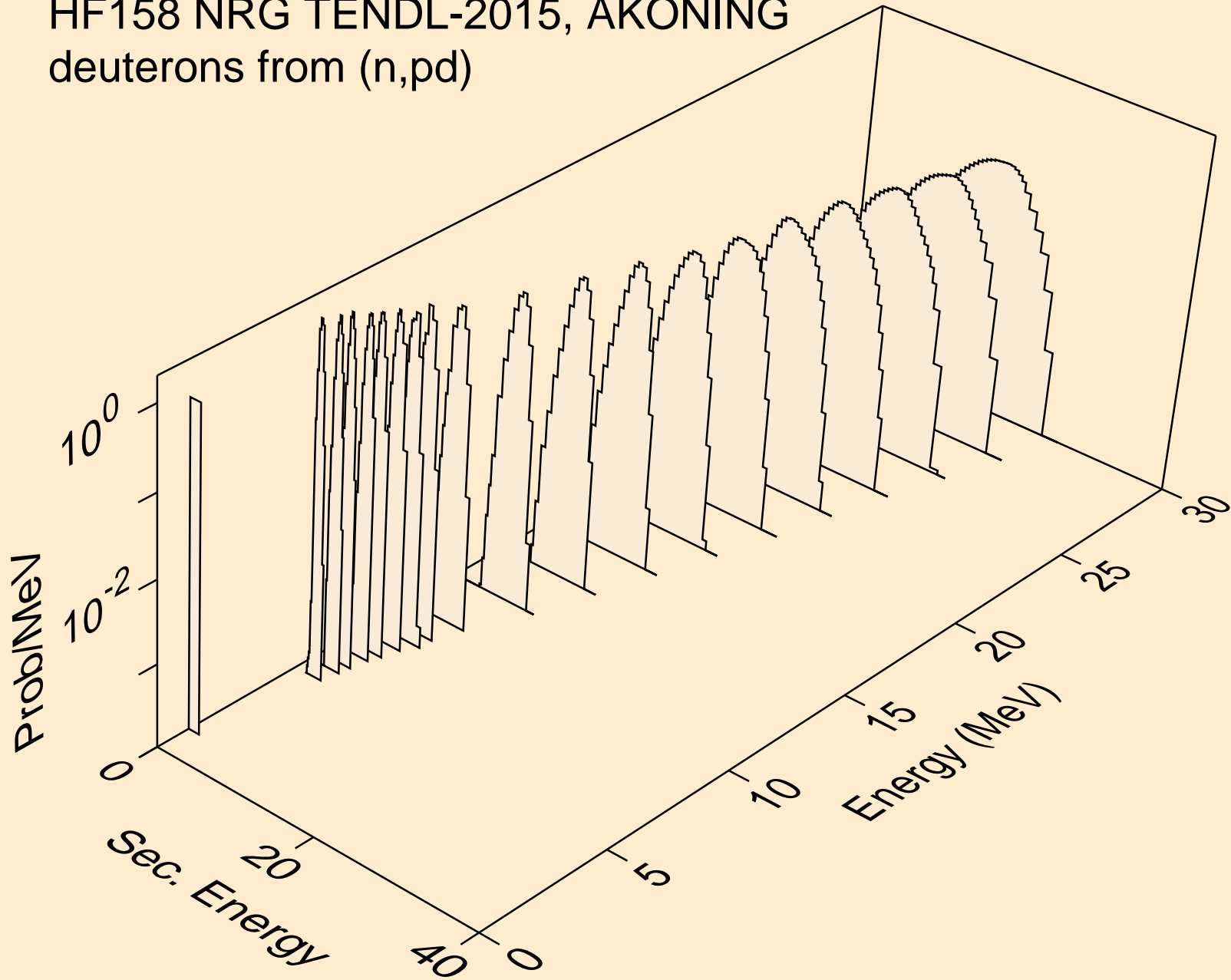




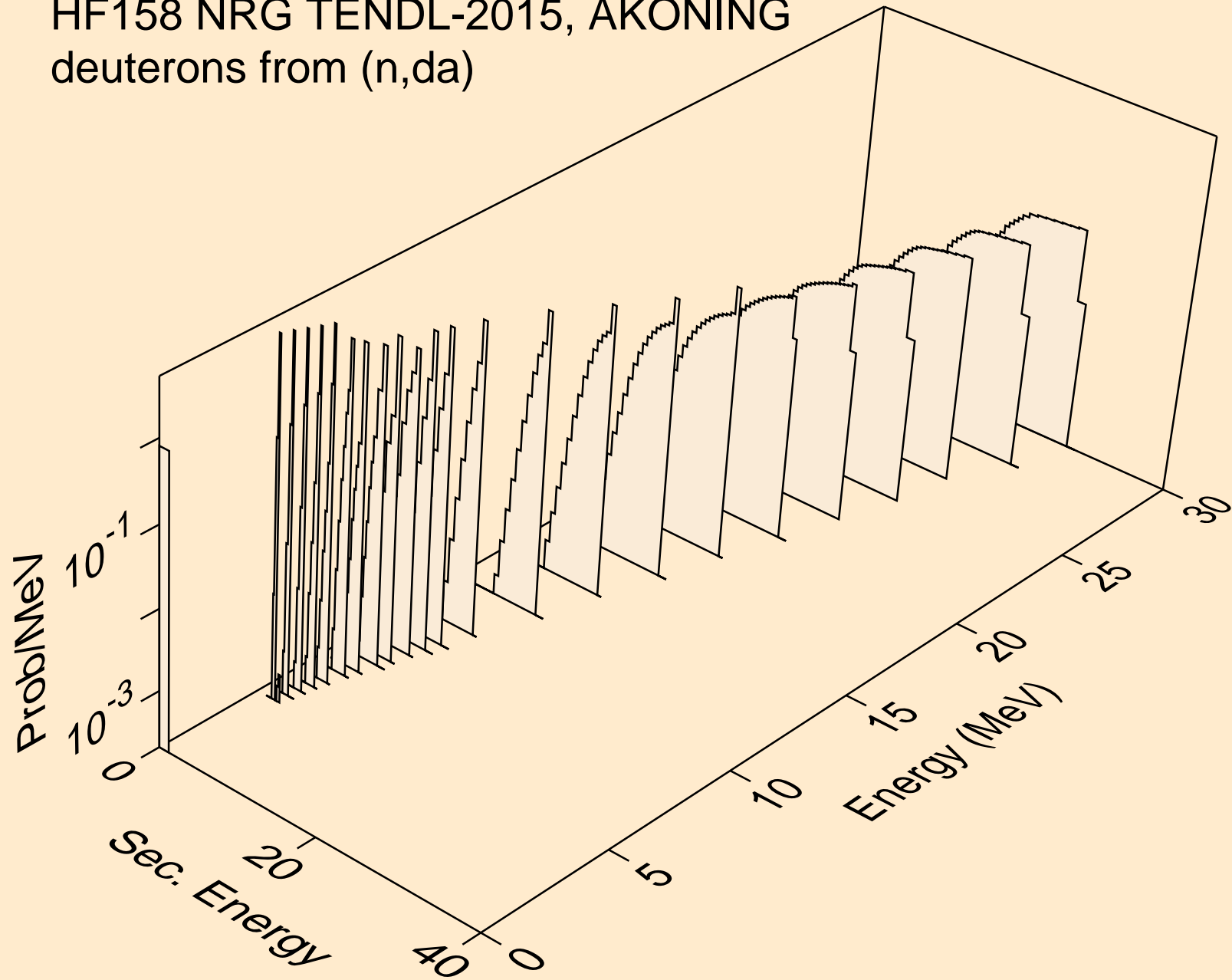
HF158 NRG TENDL-2015, AKONING  
deuterons from (n,d2a)



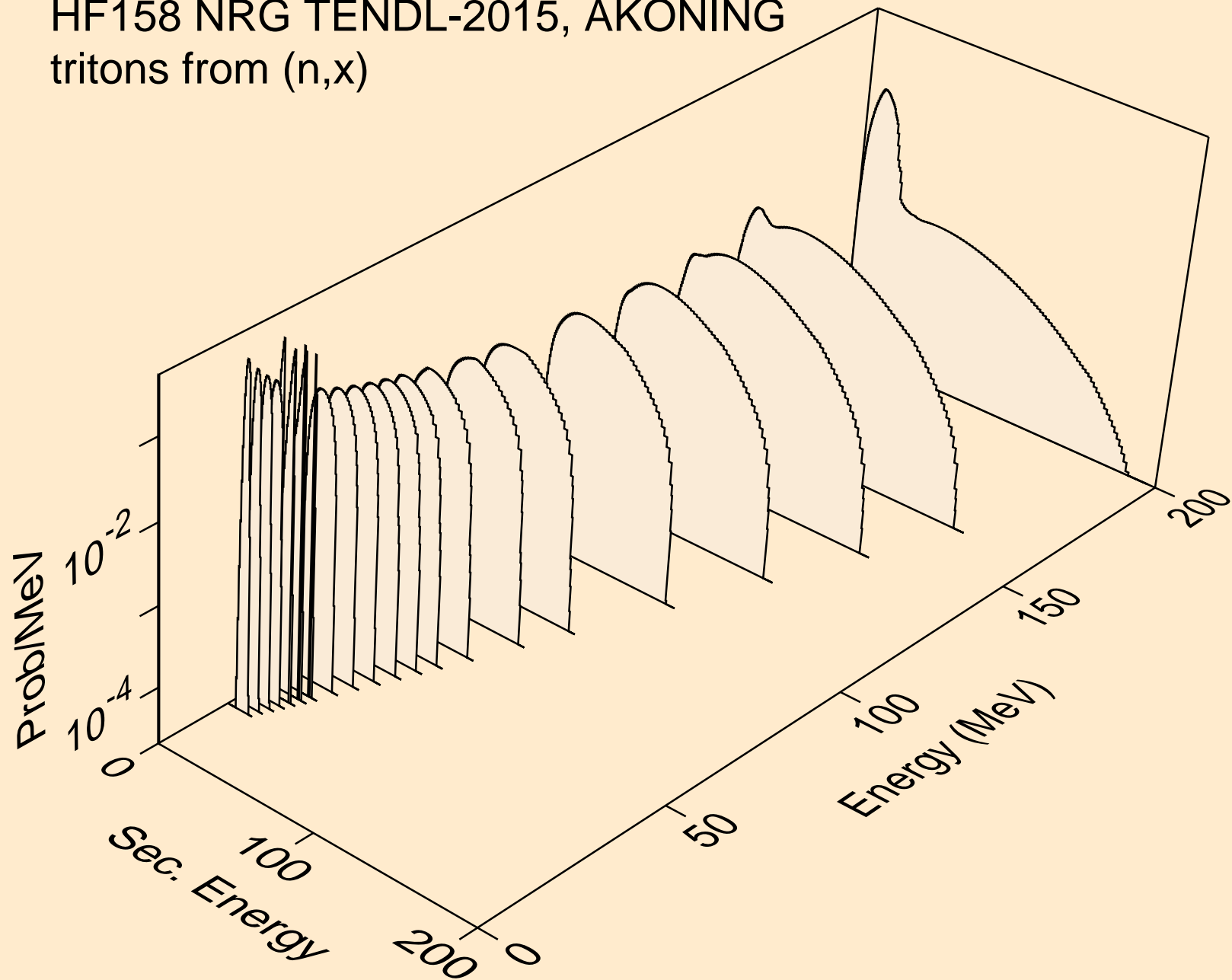
HF158 NRG TENDL-2015, AKONING  
deuterons from (n,pd)



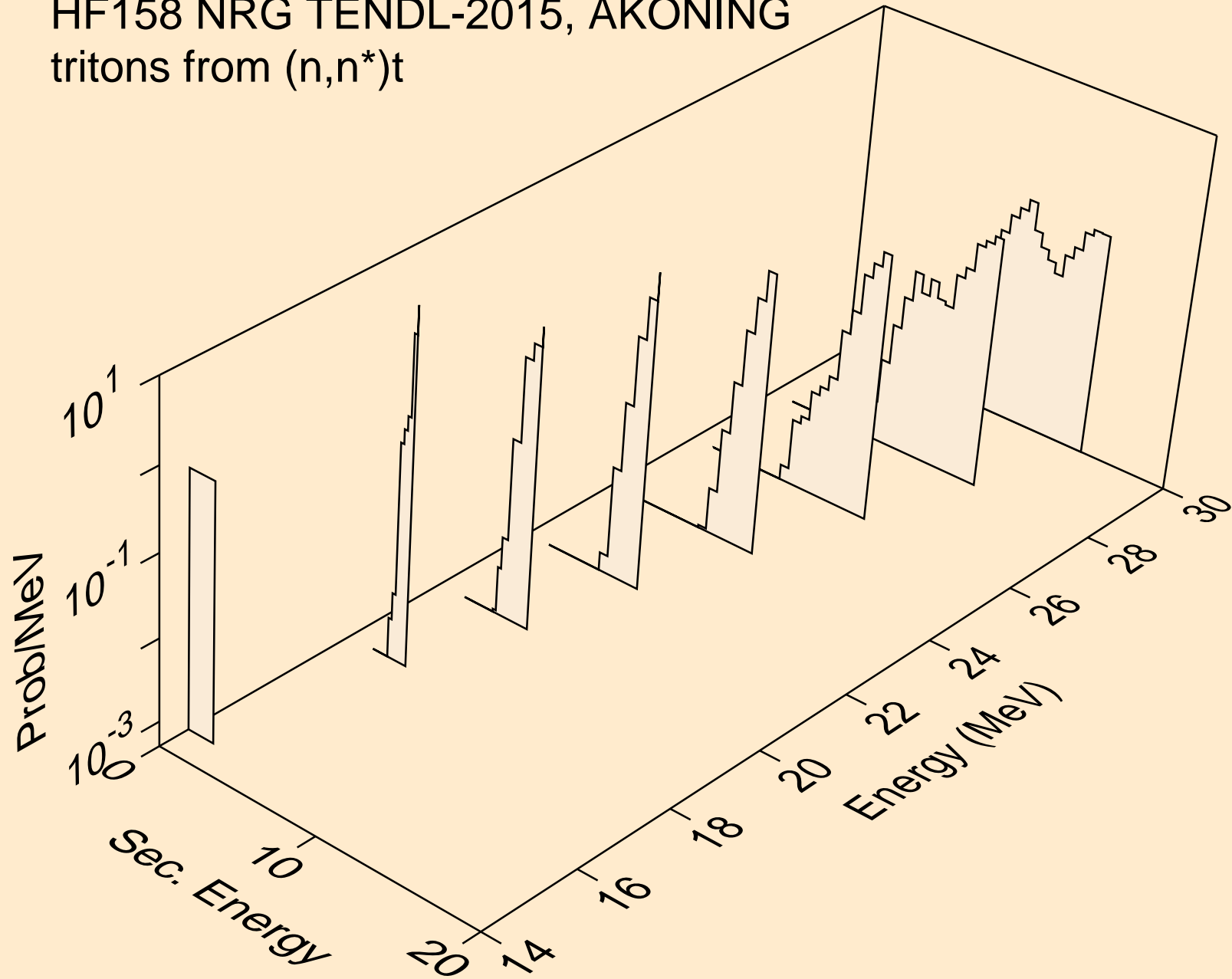
HF158 NRG TENDL-2015, AKONING  
deuterons from (n,da)



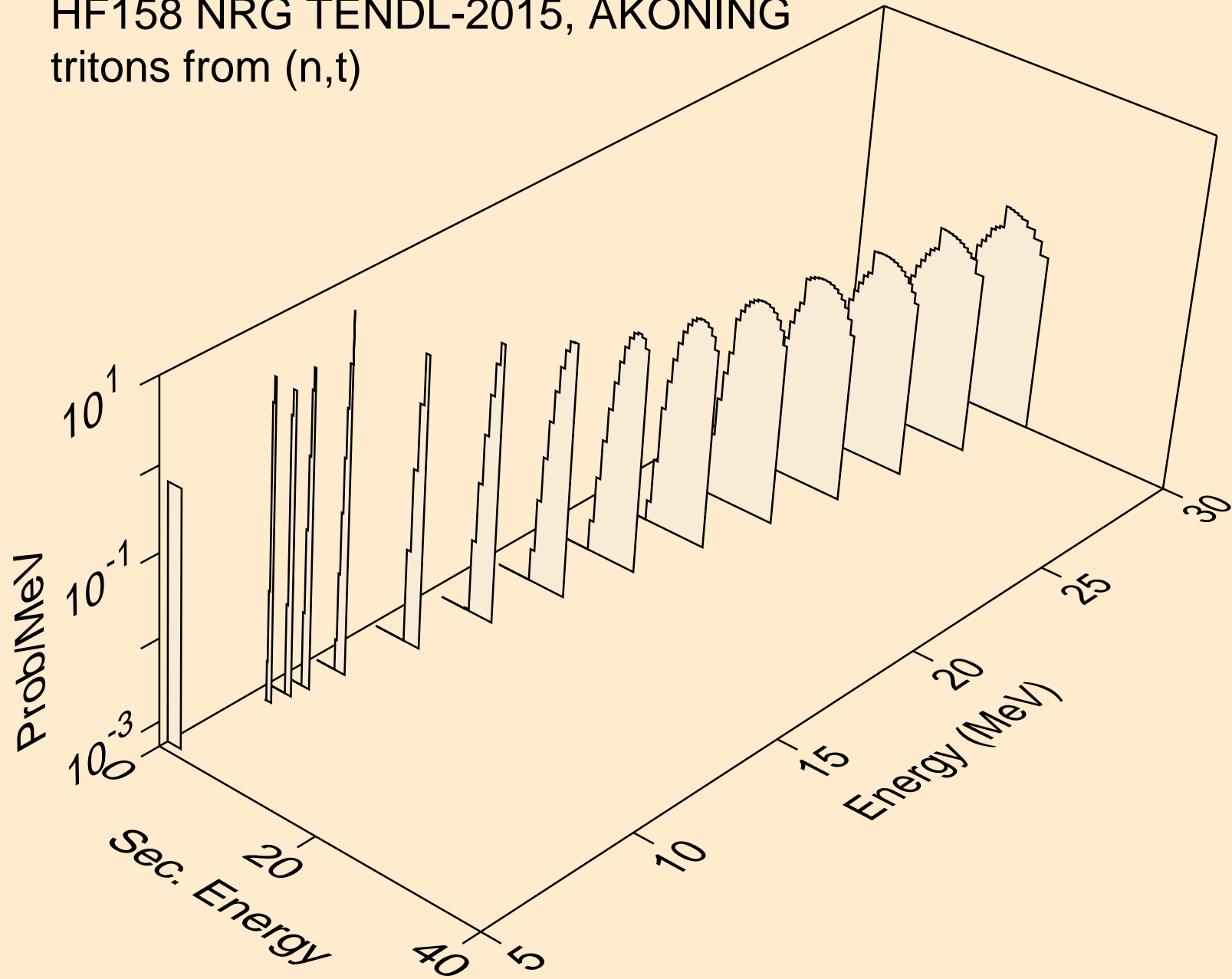
HF158 NRG TENDL-2015, AKONING  
tritons from (n,x)



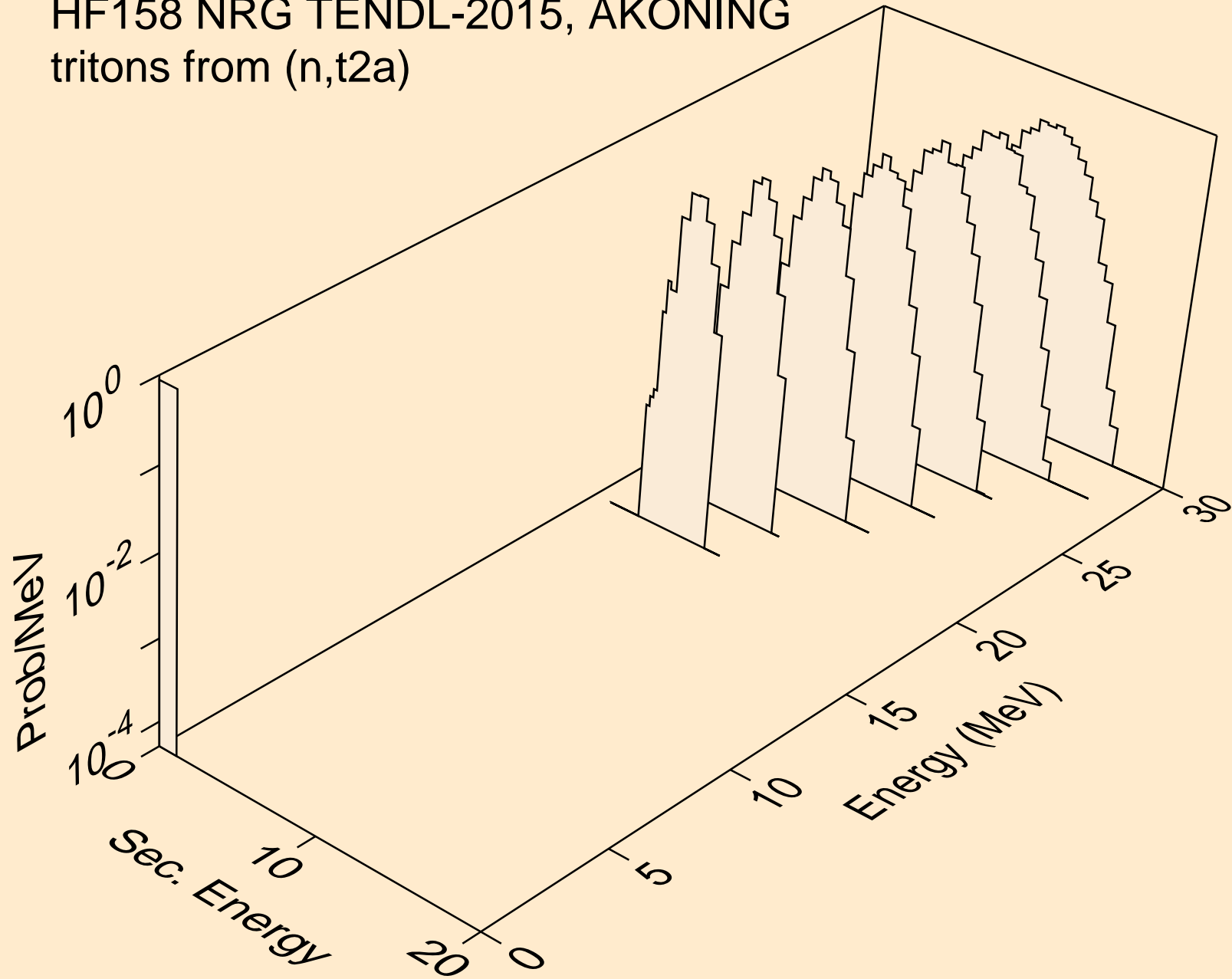
HF158 NRG TENDL-2015, AKONING  
tritons from (n,n\*)t



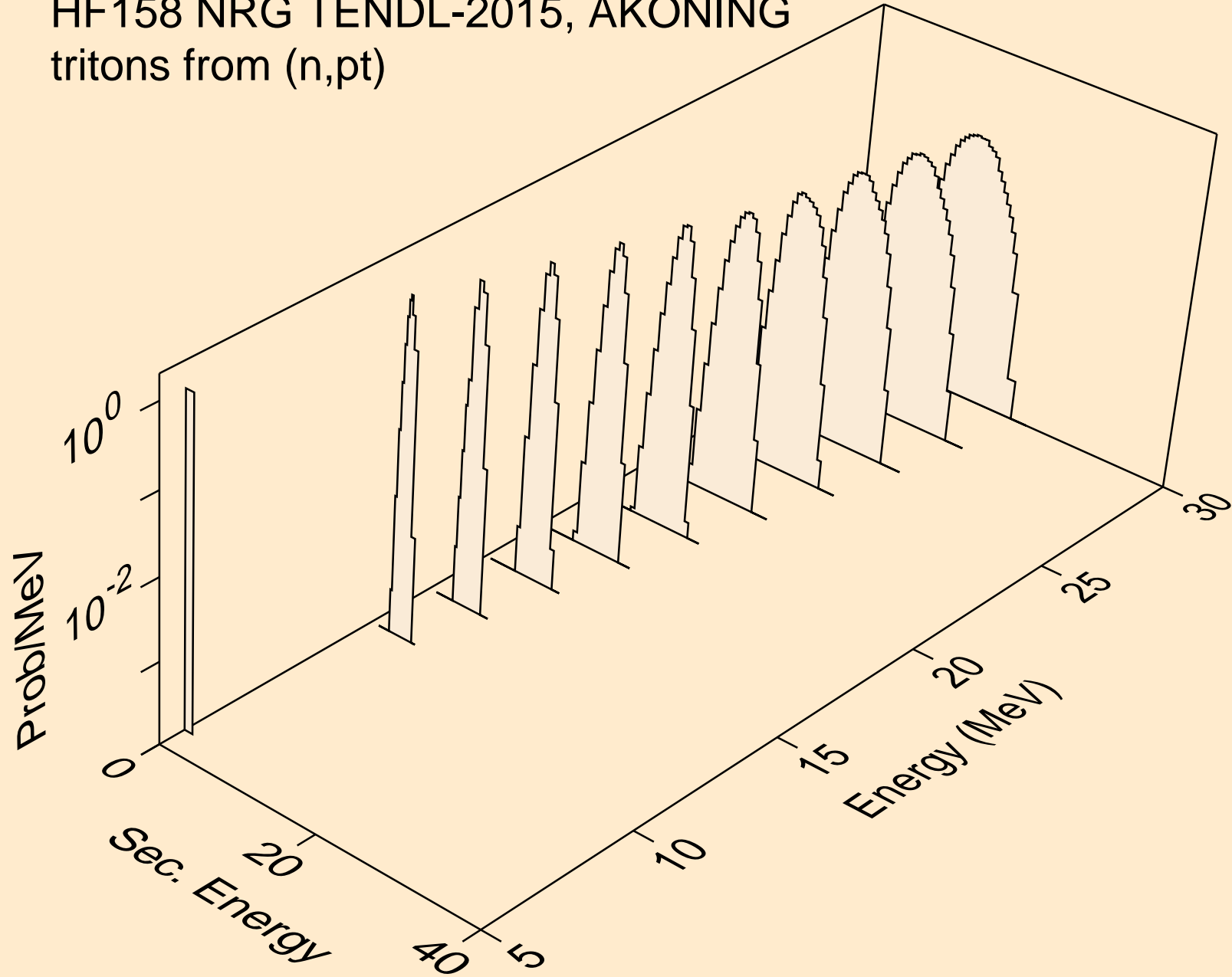
HF158 NRG TENDL-2015, AKONING  
tritons from (n,t)



HF158 NRG TENDL-2015, AKONING  
tritons from (n,t2a)

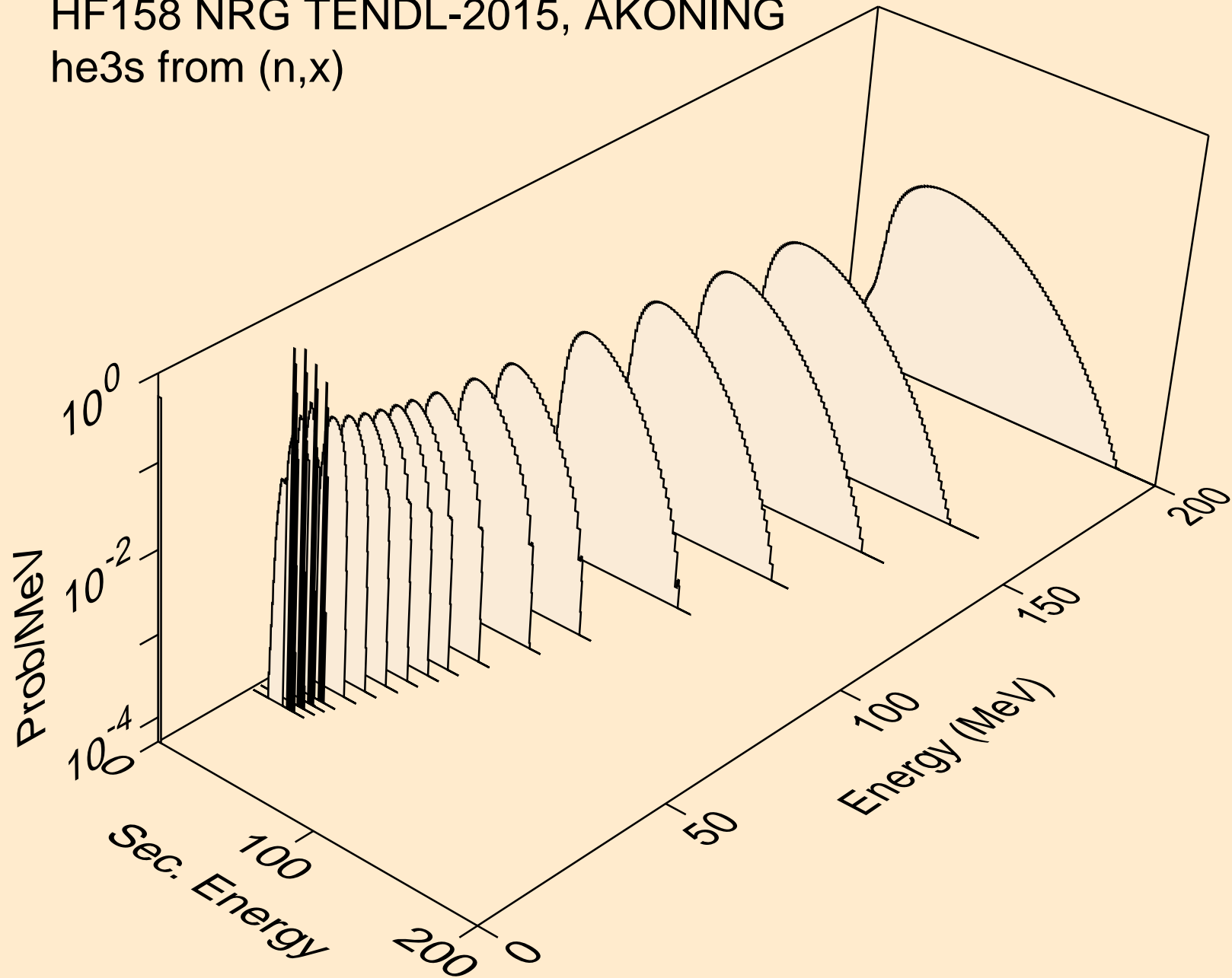


HF158 NRG TENDL-2015, AKONING  
tritons from (n,pt)

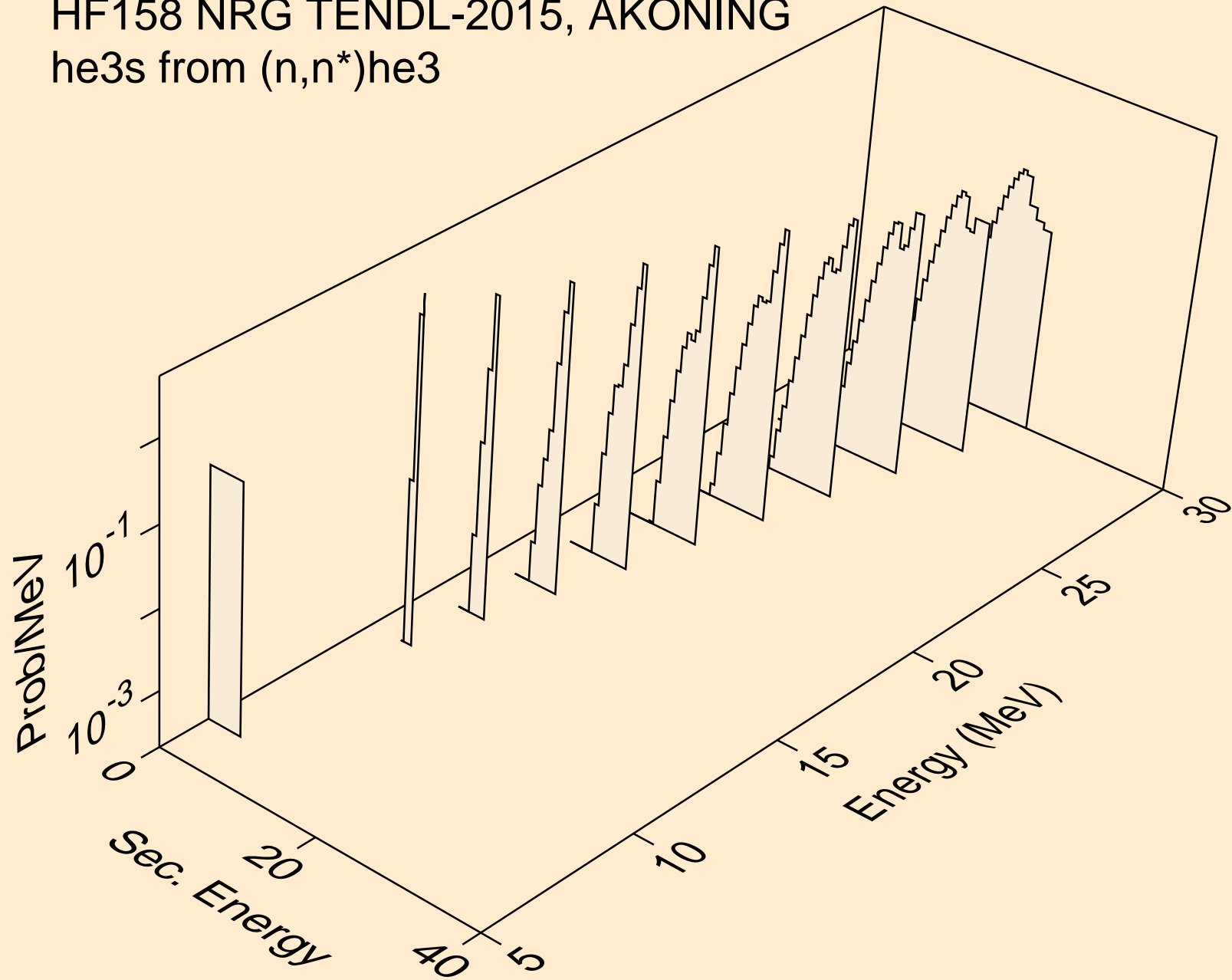




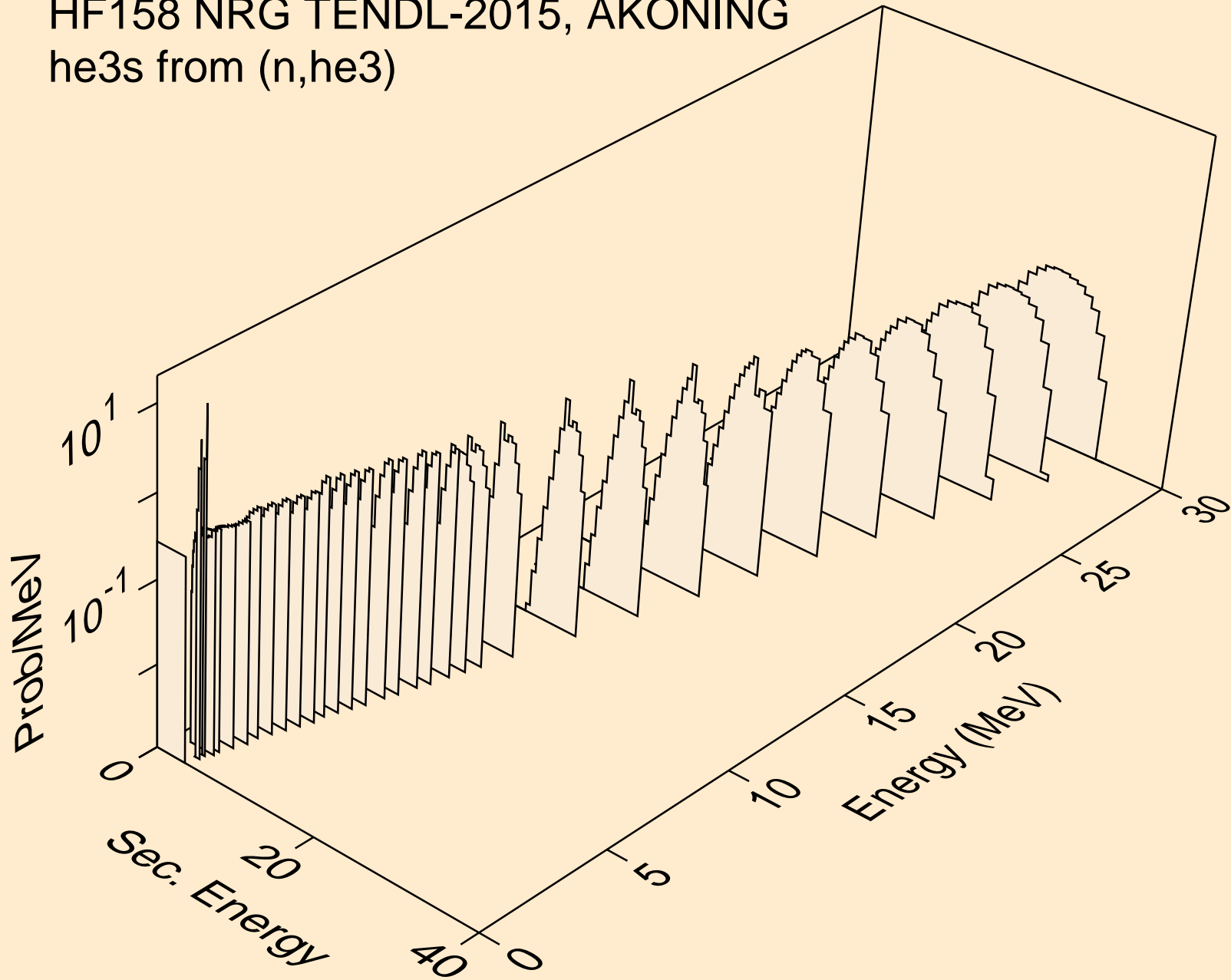
HF158 NRG TENDL-2015, AKONING  
he3s from (n,x)



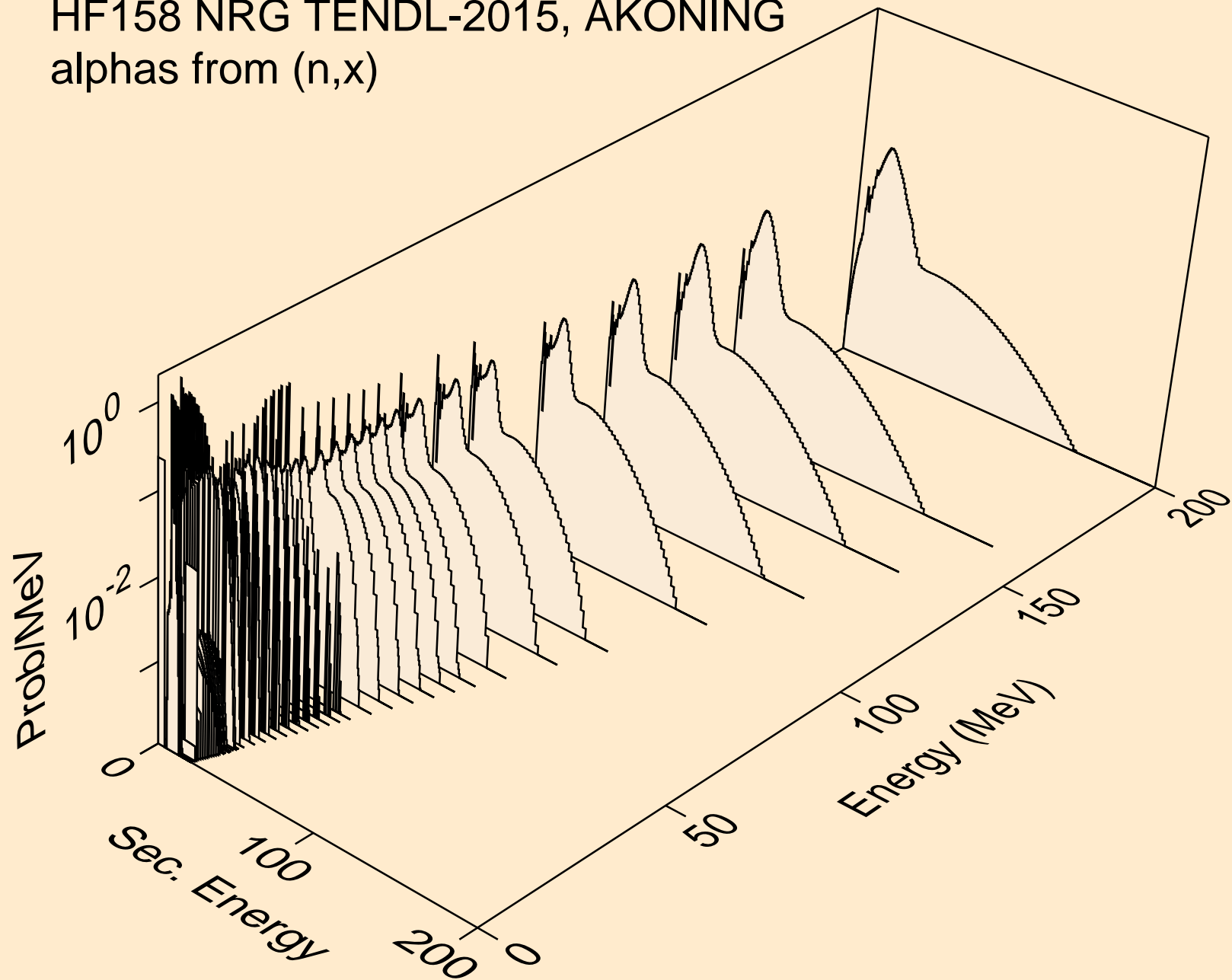
HF158 NRG TENDL-2015, AKONING  
he3s from (n,n\*)he3



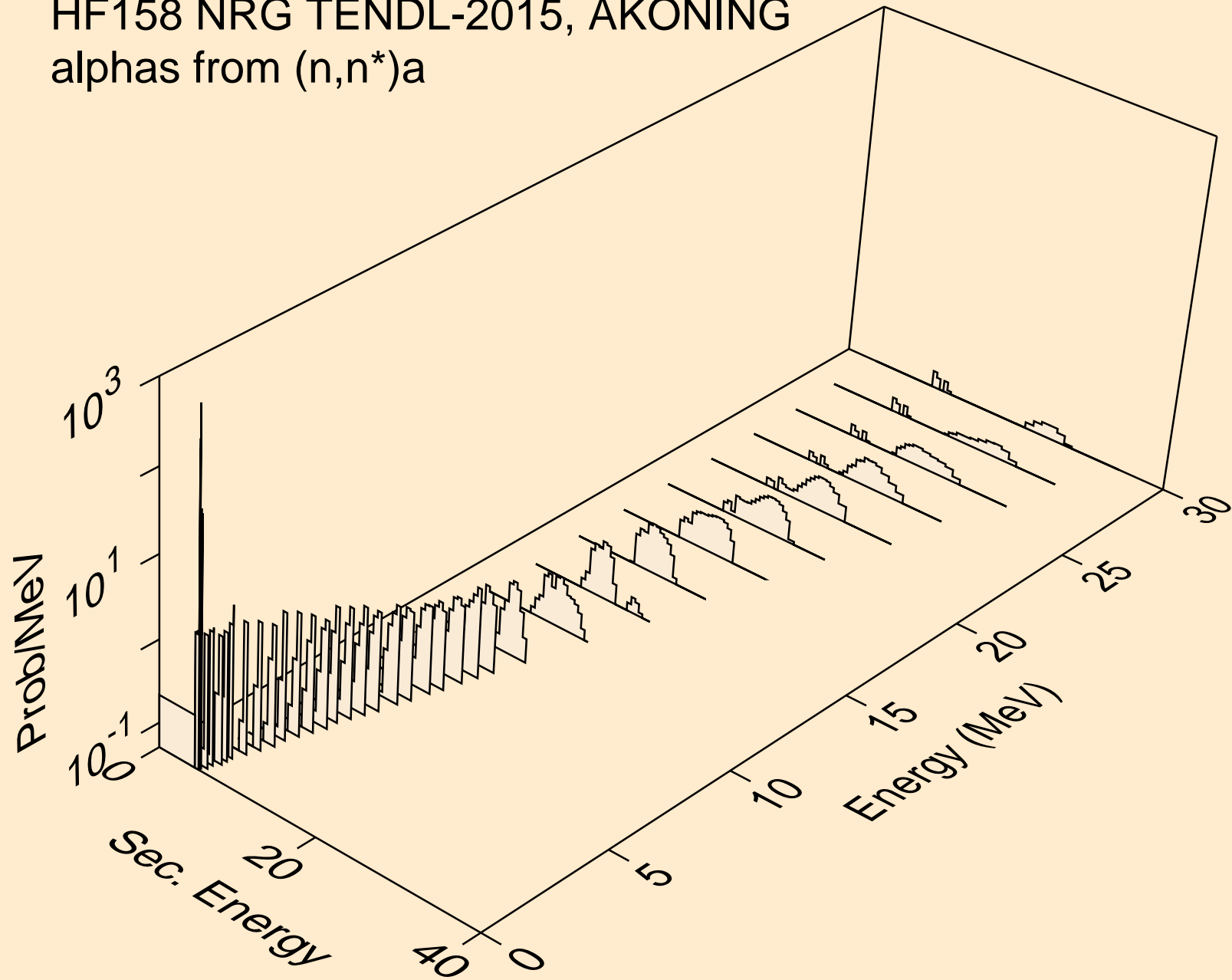
HF158 NRG TENDL-2015, AKONING  
he3s from (n,he3)



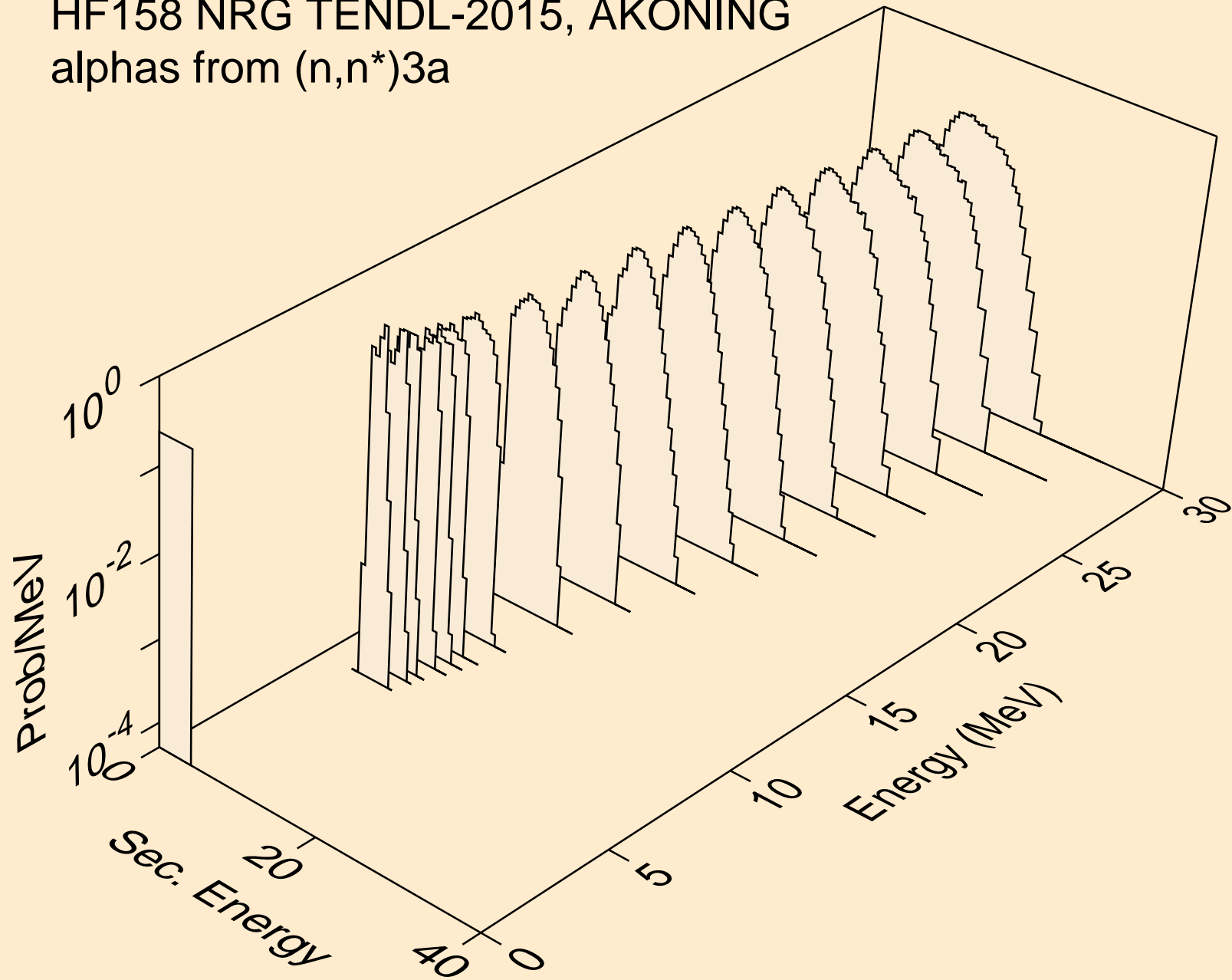
HF158 NRG TENDL-2015, AKONING  
alphas from (n,x)



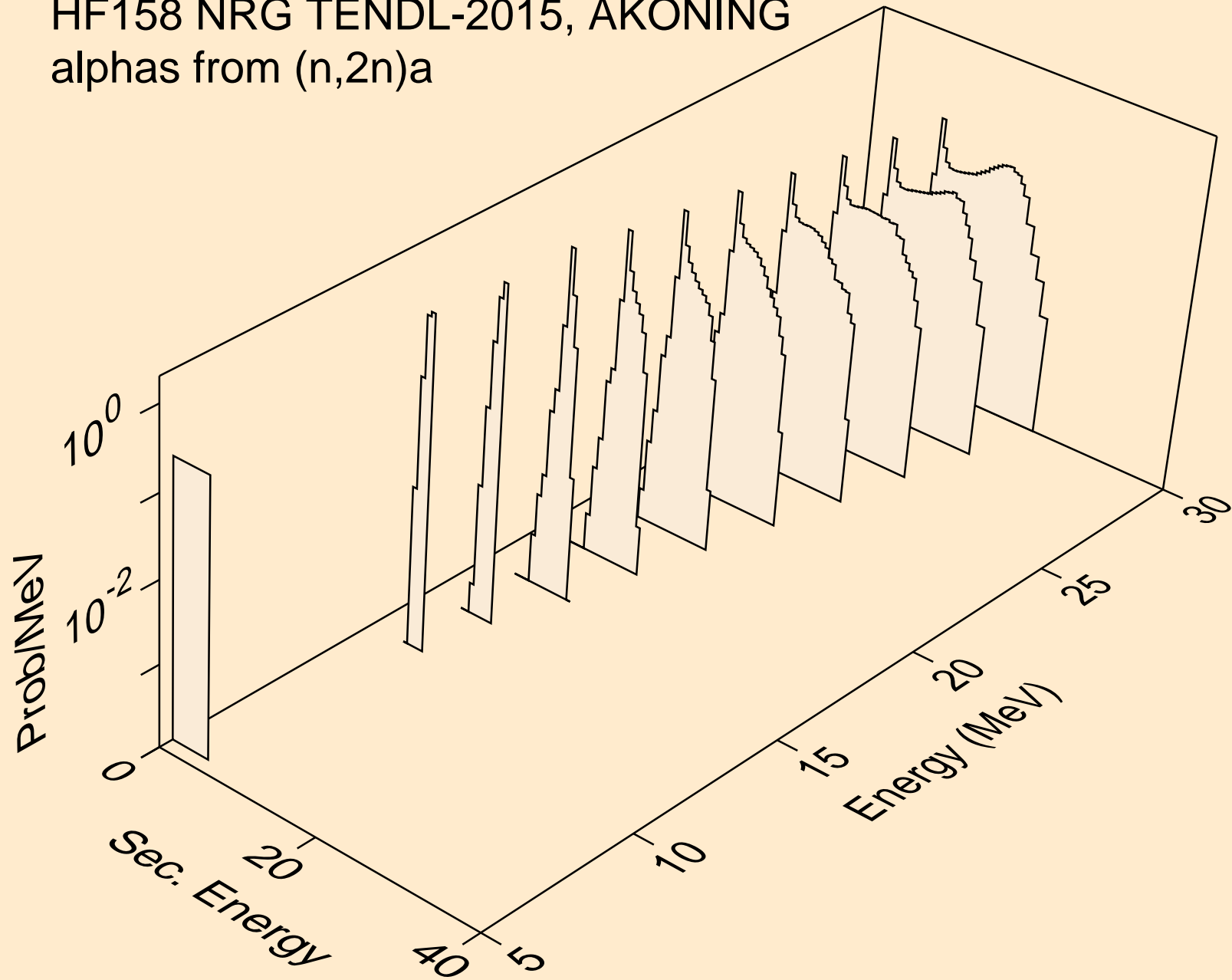
HF158 NRG TENDL-2015, AKONING  
alphas from (n,n\*)a



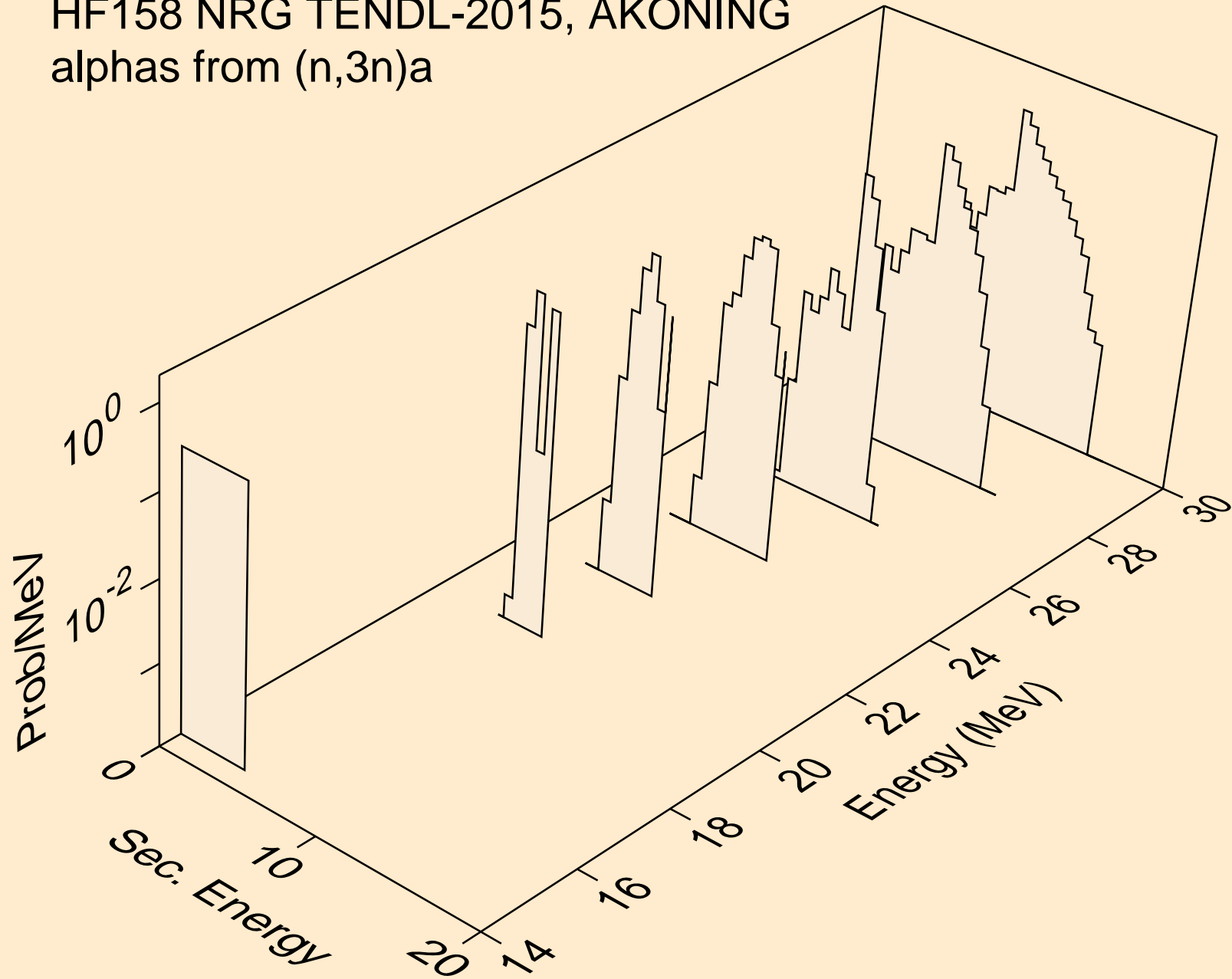
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alphas from (n,n\*)3a



HF158 NRG TENDL-2015, AKONING  
alphas from (n,2n)a

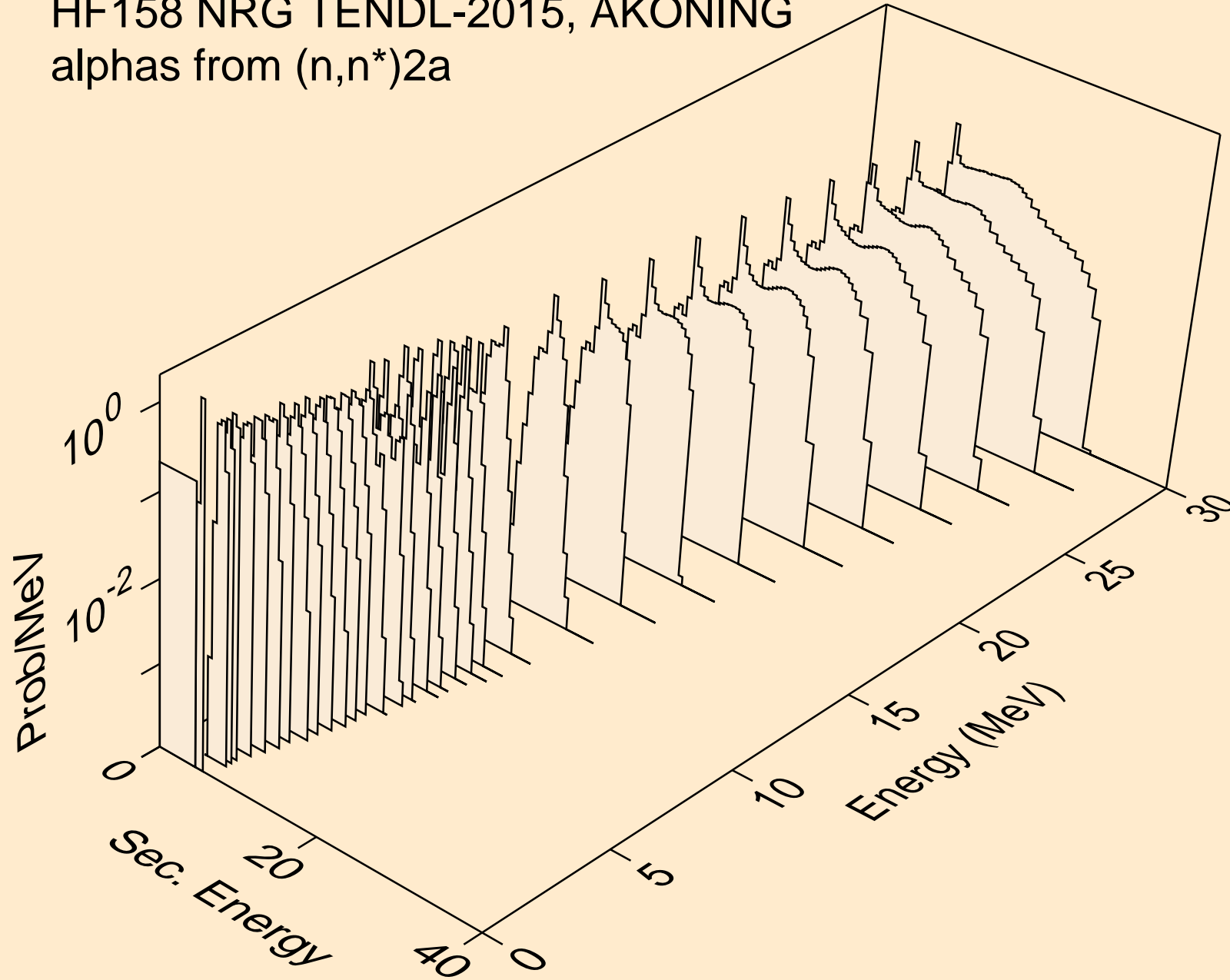


HF158 NRG TENDL-2015, AKONING  
alphas from (n,3n)a

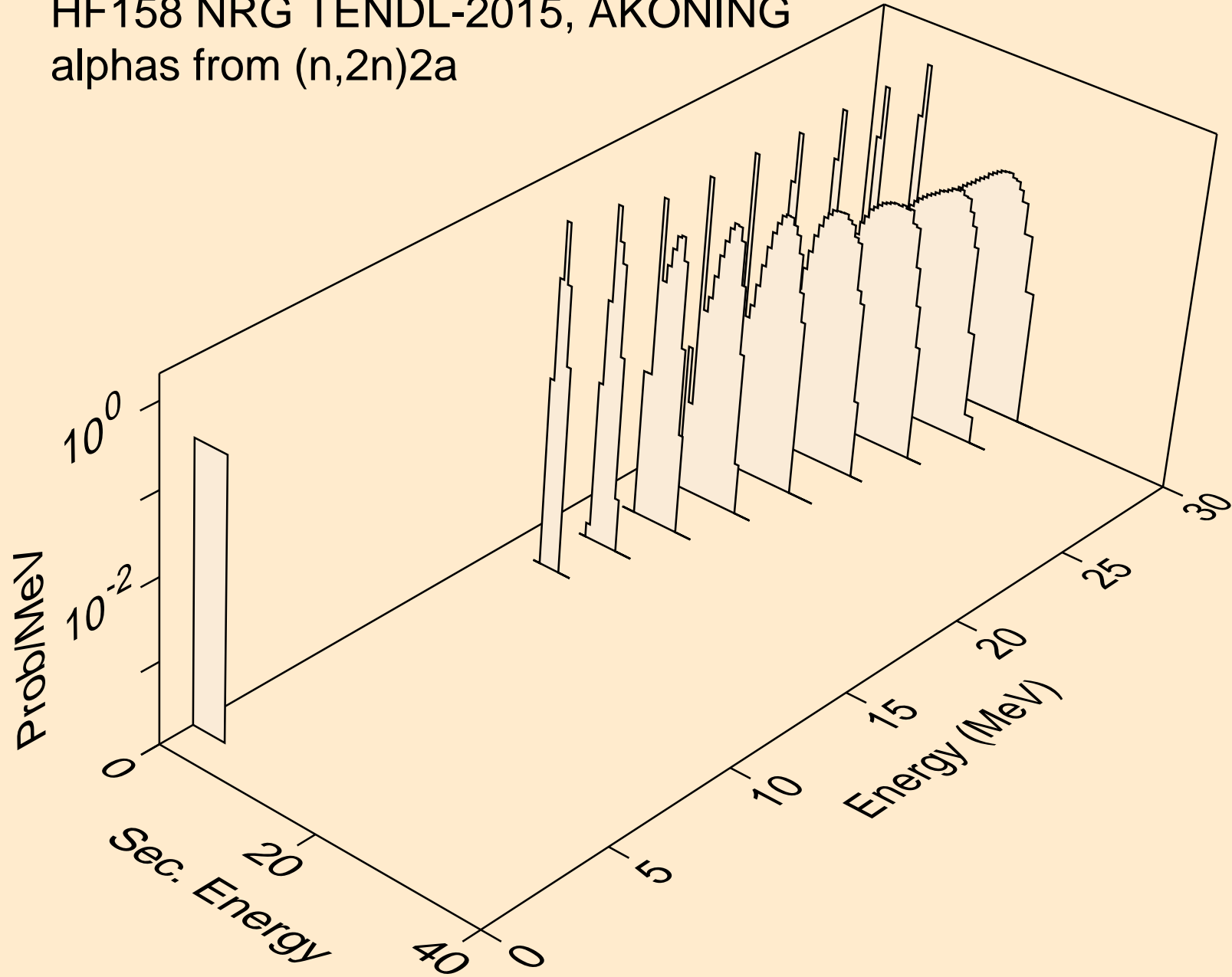




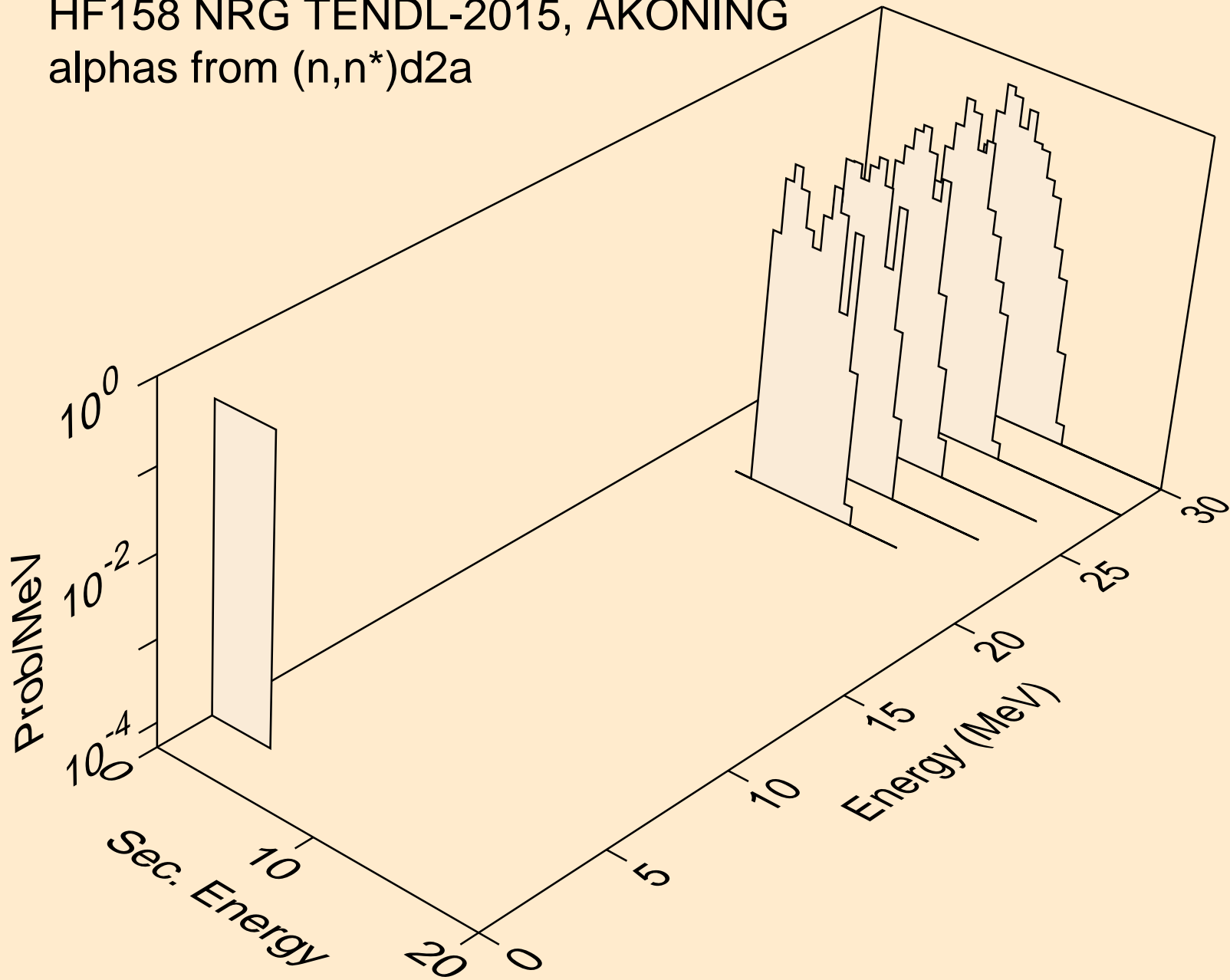
HF158 NRG TENDL-2015, AKONING  
alphas from (n,n\*)2a



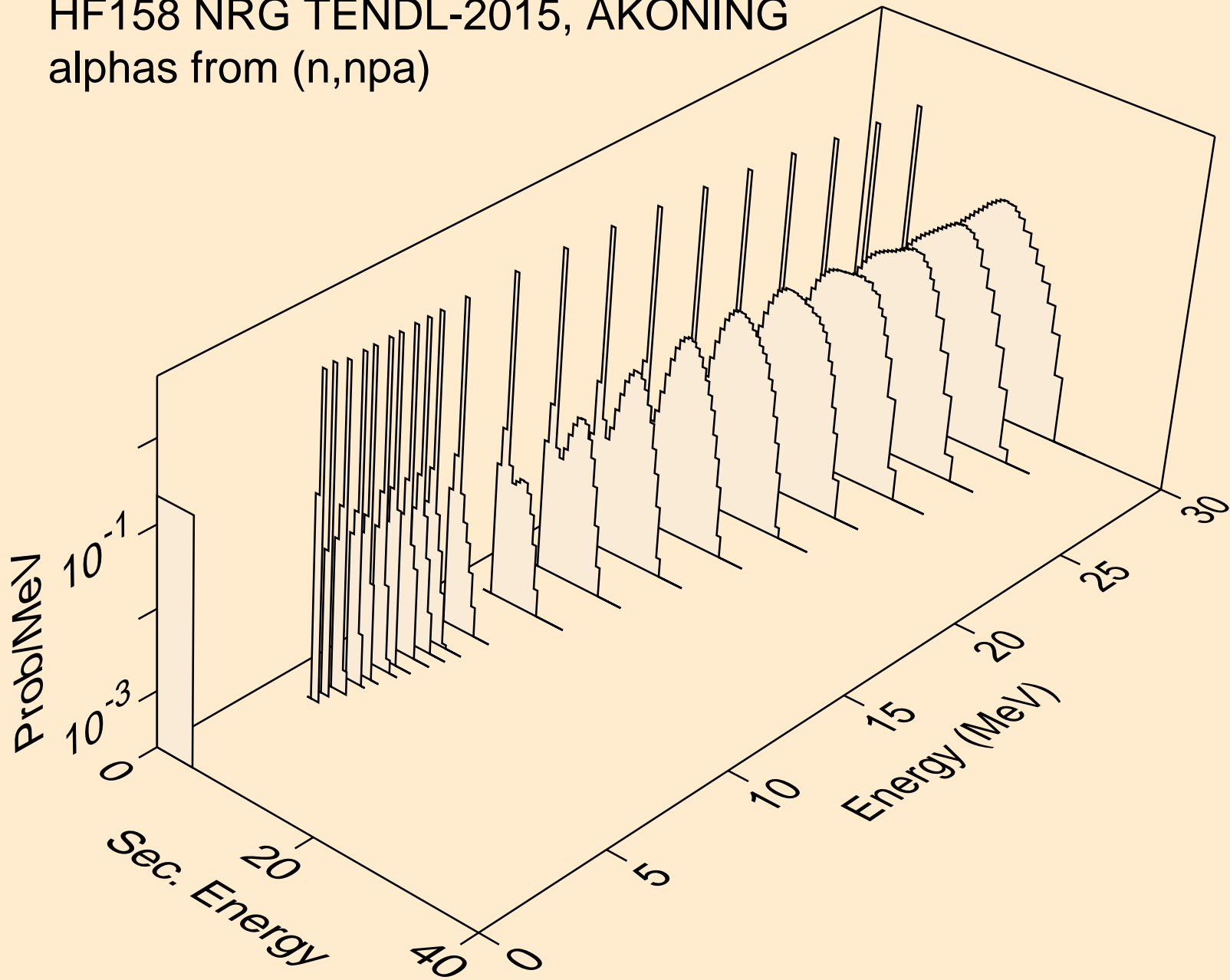
HF158 NRG TENDL-2015, AKONING  
alphas from (n,2n)2a



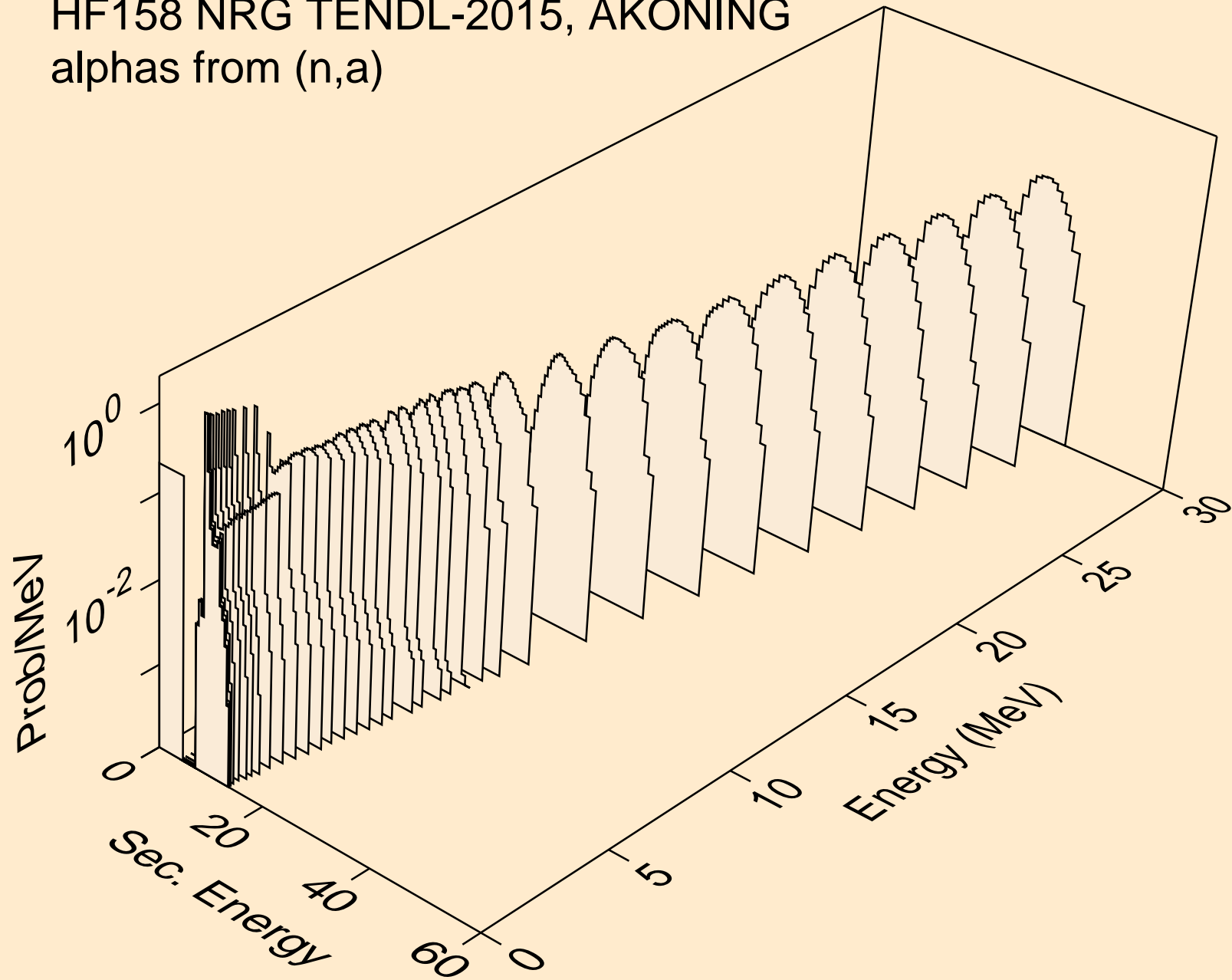
HF158 NRG TENDL-2015, AKONING  
alphas from (n,n\*)d2a



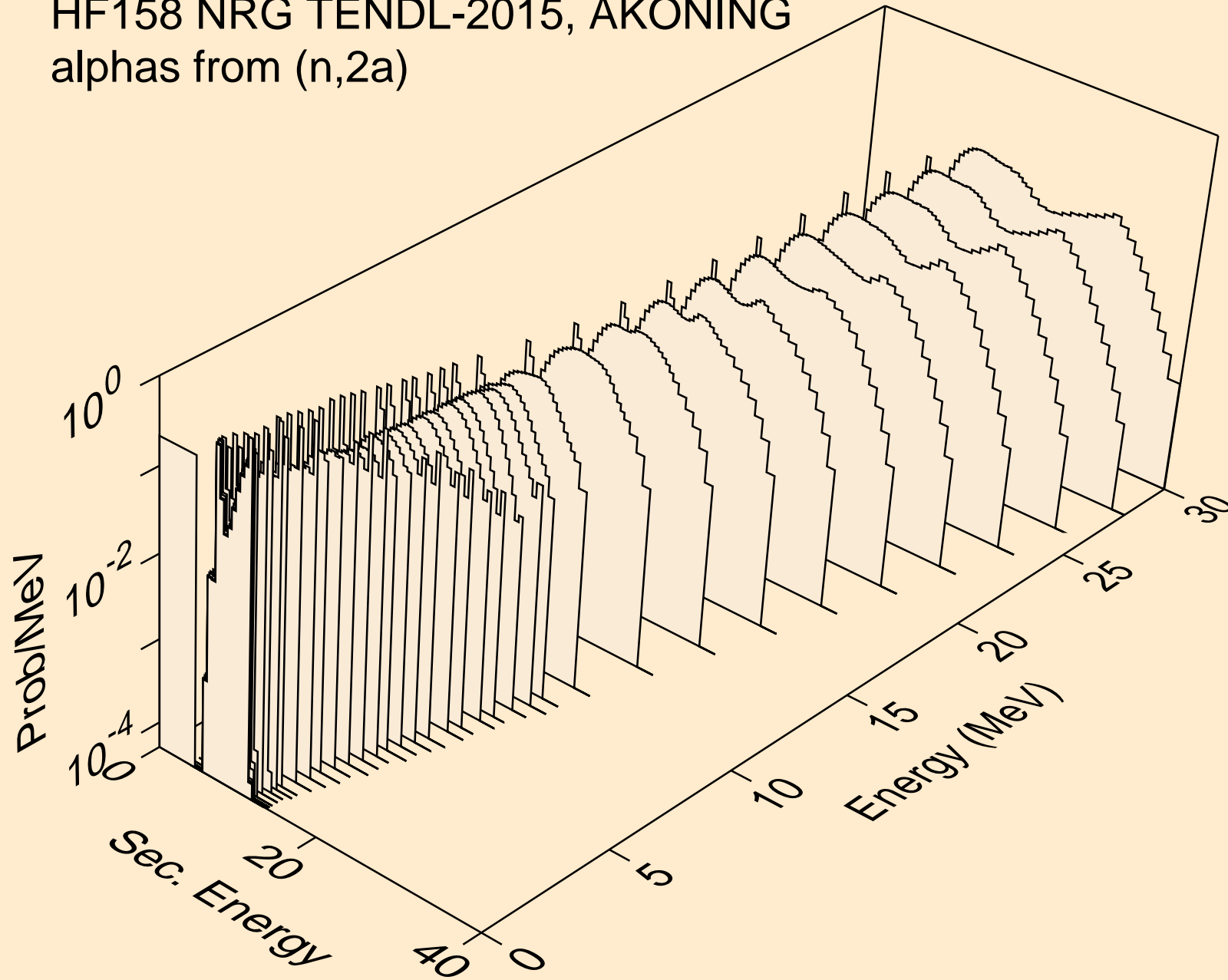
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alphas from (n,npa)



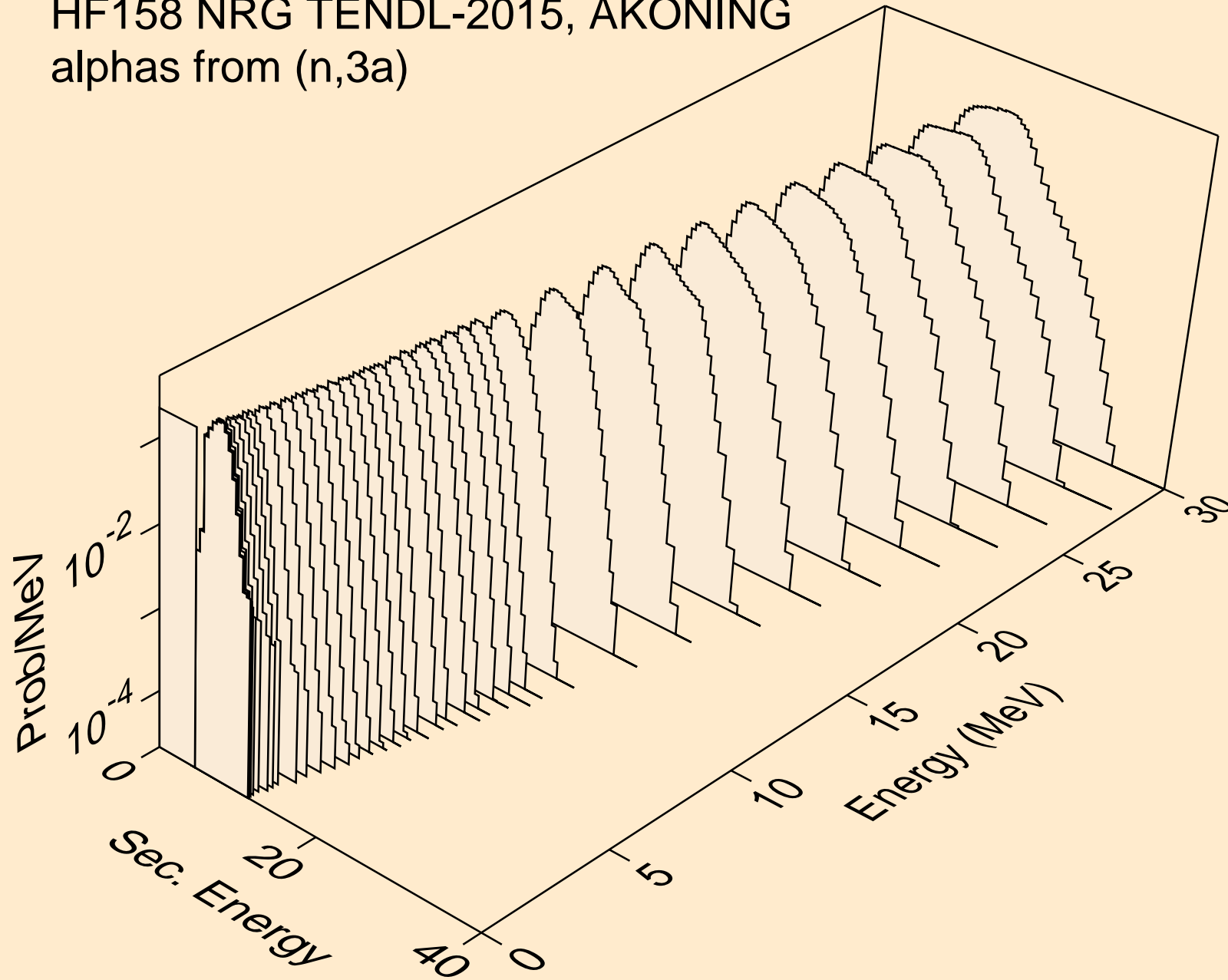
HF158 NRG TENDL-2015, AKONING  
alphas from (n,a)



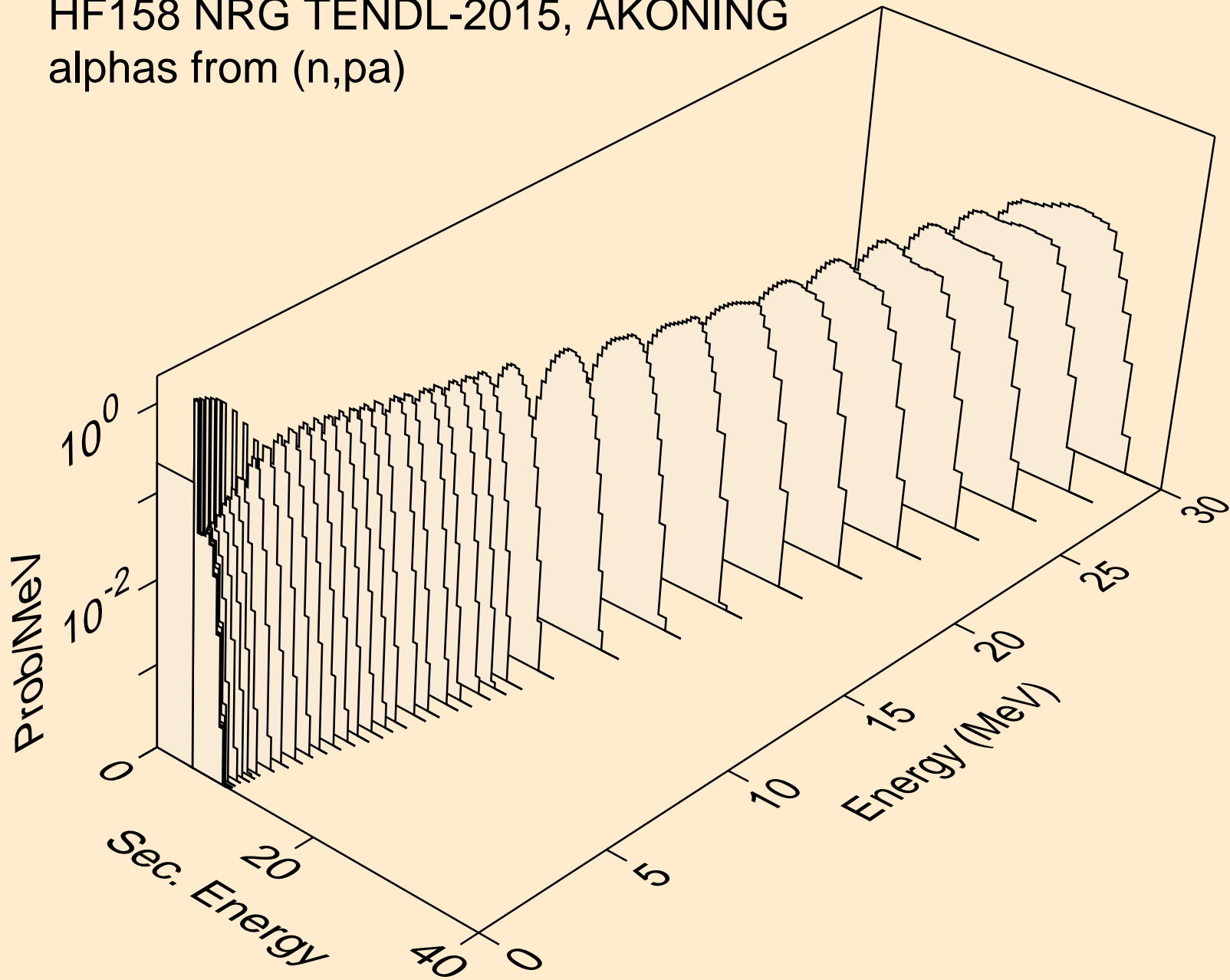
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alphas from (n,2a)



HF158 NRG TENDL-2015, AKONING  
alphas from (n,3a)

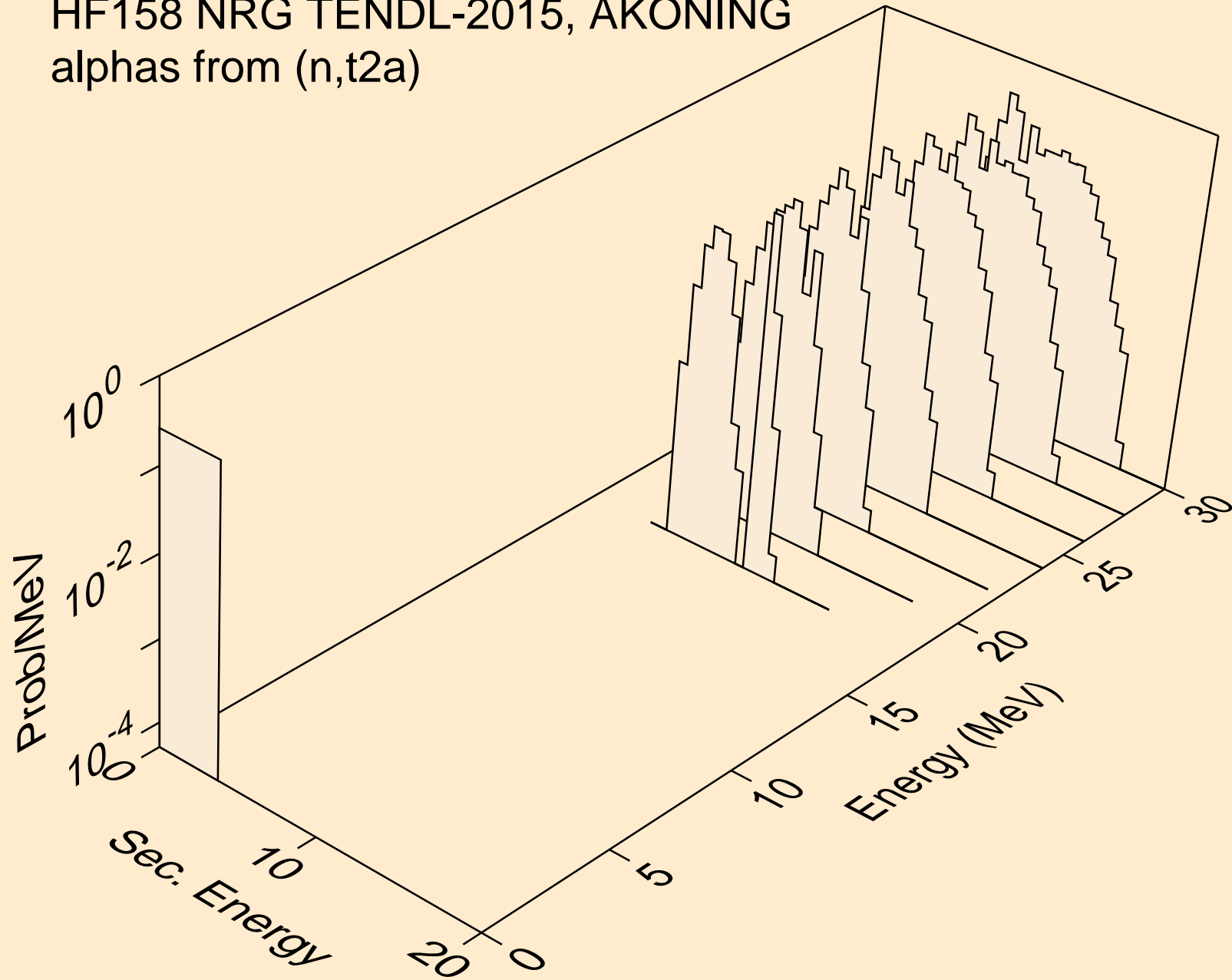


HF158 NRG TENDL-2015, AKONING  
alphas from (n,pa)

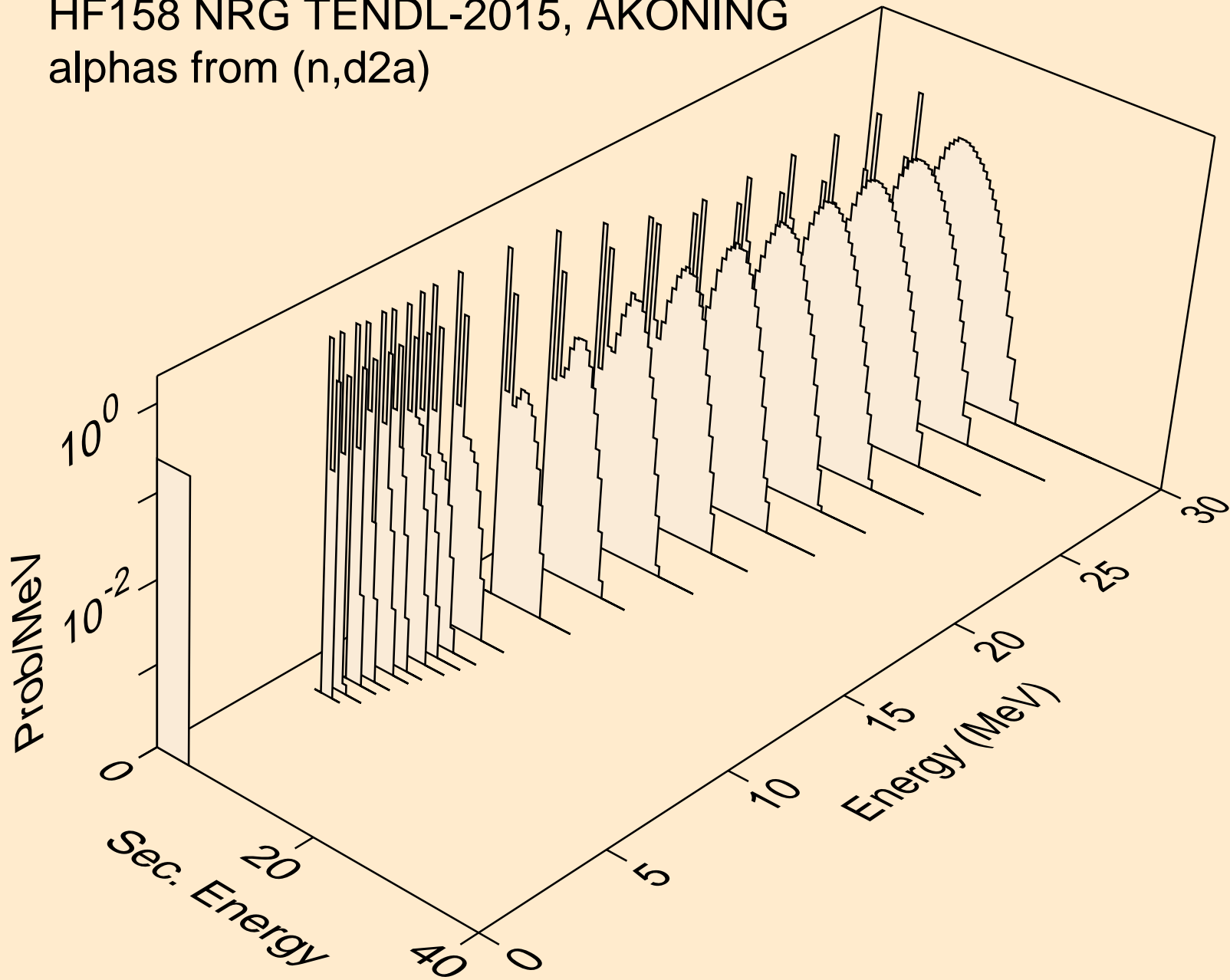




HF158 NRG TENDL-2015, AKONING  
alphas from (n,t2a)



HF158 NRG TENDL-2015, AKONING  
alphas from (n,d2a)



HF158 NRG TENDL-2015, AKONING  
alphas from (n,da)

